

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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C-O-N-F-I-D-E-N-T-I-A-L

25X1

COUNTRY China

REPORT

SUBJECT Chinese Communist Export Catalogs

DATE DISTR. 14 October 1957

NO. PAGES 2

REQUIREMENT NO. RD

REFERENCES

25X1

ENCLOSURE ATTACHED
PLEASE ROUTE

DATE OF INFO.

PLACE & DATE ACQ.

25X1

SOURCE EVALUATIONS ARE DEFINITIVE

- a. Items offered by the China National Instruments Import Corporation (CNIIC):

DKZ-20 interdepartment dispatching telephone switchboard (folder, in English)
C-24 C. B. and automatic desk type telephone sets (folder, in English)
Chinese typewriter, Wan Neng (5502/5174) brand (instruction booklet, in Chinese, illustrated)
Portable Kelvin bridge, Type 101 (instruction manual, in English)
Photoelectric colorimeter, Model 93B (leaflet, in English)
Battery-operated radio receiver (leaflet, in English)
"Friendship" brand radio-phonograph combination, Model 722-551 (folder, in English)
Automatic record changer, Model "54" (folder, in English and Chinese)
Record player, Model 56-1 (leaflet, in English and Chinese)
Terrestrial globe (leaflet, in English and Chinese)
ZIN-E-TONE adjustable hearing aid (operation and maintenance instructions, folder, in English)
TLO-60 alarm receiving board, radiation type (folder, in English)

- b. Items offered by the China National Transport Machinery Import Corporation (CNTMIC):

Rubber mixing mill (leaflet, in English and Chinese)
Full circle tire retreading machine, Model TR (leaflet, in English)
Stud making machines (leaflet, in English)
Engraving instrument (leaflet, in English)

- c. Chemicals offered by the China National Import and Export Corporation (CNIEC), for which inquiries were to be addressed to CNIEC, Tientsin: chromic acid, phosphoric acid; sodium sulfide, anhydrous sodium sulfate; carbolic acid (phenol), cresylic acid (three leaflets, in Chinese and English).

C-O-N-F-I-D-E-N-T-I-A-L

25X1

STATE	X ARMY	X NAVY	X AIR	X FBI	AEC	BFC	x Treas	x
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(Note: Washington distribution indicated by "X"; field distribution by "#".)

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INFORMATION REPORT INFORMATION REPORT

Batch # 10-17-31

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d. Items offered by the China National Sundries Export Corporation (CNSEC):

Gramophone, Model 102 (leaflet, in English)
"Electrician" fluorescent tubes (leaflet, in English)
"Wha Teh" (Hua Te, 5478/1795) electric bulbs (folder, in English)
Aurora fire extinguishers (folder, in English)
Diamond brand pliers (folder, in English)
Unique brand screw drivers (folder, in English)
Galvanized iron wire (folder, in Chinese and English)
Iron wire nails (folder, in Chinese and English)
Countersunk head wood screws (folder, in Chinese and English)
Iron butts (folder, in English)
HERO brand spring hinges, single-action (leaflet, in English)
HERO brand spring hinges, double-action (leaflet, in English)
Iron hinges and tower bolts (folder, in Chinese and English)
Iron tower bolts (folder, in English)
Whippet door locks (folder, in English)
Lion brand door pulls (leaflet, in Chinese and English)
"Yung Sun" (Yung Sheng, 3057/3932) brand bronze-plated inside door locks
(leaflet, in English)

Attachments, unclassified when detached from this report

25X1

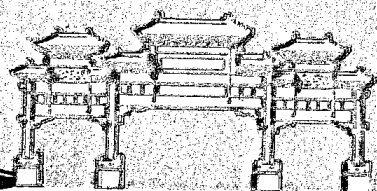
C-O-N-F-I-D-E-N-T-I-A-L
NOFORN/CONTINUED CONTROL

中国木螺丝

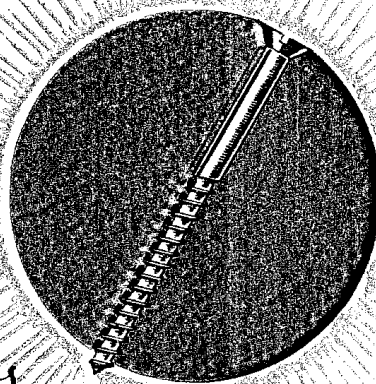
COUNTERSUNK HEAD
WOOD SCREWS

中国杂品出口公司

**CHINA NATIONAL
SUNDRIES EXPORT
CORPORATION**



*Best Quality
Countersunk
Wood Screws*



CHINESE MILD STEEL WOOD SCREWS

Manufactured of the choicest material

Sturdy Countersunk Heads

Deep Slot — Even Threads

Straight Body

Sharp Gimlet Point

Enquiries & Orders Cordially Invited.

中国木罗絲品質優良，制品精細，平頭堅
固，槽深頭尖，釘身硬直，歡迎採用。

铁平头木罗丝

BRIGHT MILD STEEL COUNTERSUNK HEAD WOOD SCREWS

規格 SPECIFICATIONS		包裝 PACKINGS		
長度 LENGTH	支數 NO. CO.	每箱 PER CARTON	每包 PER PACKAGE	每箱 PER CASE
$\frac{3}{8}$ "	2-3	1 GROSS	10 GROSS	1000 GROSS
$\frac{1}{2}$ "	3-6	1 "	10 "	500 "
$\frac{5}{8}$ "	4-8	1 "	10 "	500 "
$\frac{3}{4}$ "	4-6	1 "	10 "	400 "
$\frac{5}{4}$ "	7-8	1 "	10 "	300 "
$\frac{7}{8}$ "	4-8	1 "	10 "	300 "
1"	5-9	1 "	5 "	200 "
1"	10-12	1 "	5 "	100 "
1 $\frac{1}{4}$ "	6-8	1 "	5 "	200 "
1 $\frac{1}{4}$ "	9-12	1 "	5 "	100 "
1 $\frac{1}{2}$ "	6-12	1 "		100 "
1 $\frac{3}{4}$ "	8-12	1 "		100 "
2"	6-8	1 "		100 "
2"	9-12	1 "		50 "
2 $\frac{1}{2}$ "	8-12	1 "		50 "
3"	10-14	1 "		40 "

中國雜品出口公司

總公司：中國北京東四九條胡同(甲) 32 號。
分公司 中國天津大沽中路 114 號。

電報掛號 "SUNDRY" 北京
電報掛號 "SUNDRY" 天津

CHINA NATIONAL SUNDRIES EXPORT CORPORATION

HEAD OFFICE: 32/A CHIUTIAO HUTUNG EAST CITY, PEKING, CHINA. CABLE ADDRESS: "SUNDRY" PEKING

BRANCH OFFICE: 114 TAKU ROAD C. TIENTSIN, CHINA. CABLE ADDRESS: "SUNDRY" TIENTSIN

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中國雜品出口公司

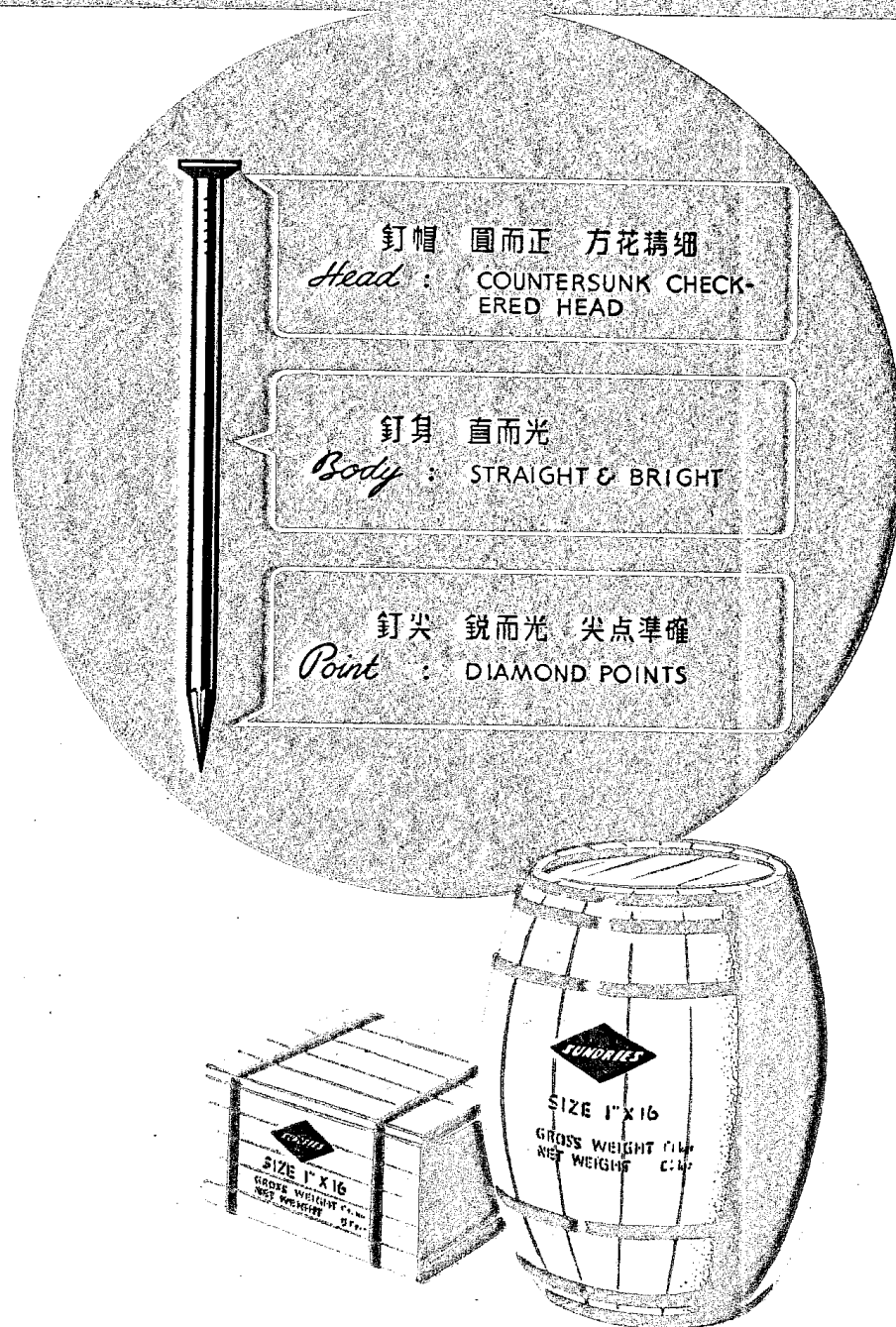
CHINA NATIONAL SUNDRIES EXPORT CORP.

鐵

釘

係以中國自產盤條用電氣化機器
所精製具有下列各項優點：——

COMMON ROUND NAILS are made of Iron
Rods of Chinese origin by power-driven
automatic machineries and possess the
following features:



鐵 釘

IRON WIRE NAILS

尺寸 鐵治号 INCHES BWG.	包裝 PACKING	
	每桶淨重 PER KEG NET WEIGHT 公斤 (KILOS)	每箱淨重 PER CASE NET WEIGHT 公斤 (KILOS)
1/2" X 19	60	21 1/2
5/8" X 18	60	21 1/2
3/4" X 17	60	21 1/2
1" X 16	60	21 1/2
1-1/4" X 15	60	21 1/2
1-1/2" X 14	60	21 1/2
1-3/4" X 13	60	21 1/2
2" X 12	60	21 1/2
2-1/2" X 11	60	21 1/2
3" X 10	60	21 1/2
3-1/2" X 9	60	21 1/2
4" X 8	60	21 1/2
4-1/2" X 7	60	21 1/2
5" X 6	60	21 1/2
6" X 5	60	21 1/2

尺寸繁多不及備載
OTHER SIZES UPON APPLICATION

中國雜品出口公司

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分公司 中國天津大沽中路114號。 電報掛號“SUNDRY”天津

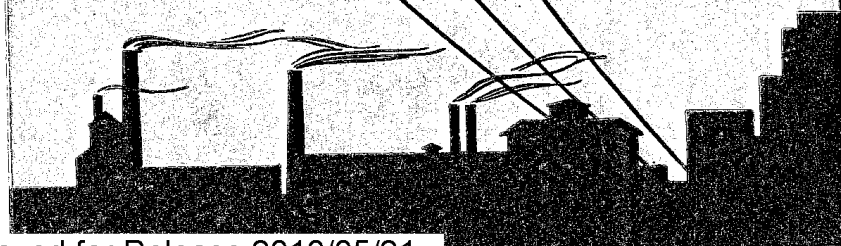
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GALVANIZED IRON

Wire

中國鑄鐵



規 格
SPECIFICATIONS

BWG NO.	直 徑 DIAMETER	
	規 格 $\frac{M}{M}$	公差 TOLERANCE
8	4.191	± 0.08
10	3.404	± 0.06
12	2.765	± 0.06
14	2.108	± 0.05
16	1.951	± 0.05
18	1.245	± 0.04
20	0.885	± 0.03
22	0.711	± 0.02
24	0.559	± 0.02

我們的 **鐵 絲**

已大量行銷各地博得世界各地市場
之好評 價廉物美 質地柔韌

1 色 澤 光 亮

2 鍍 鋅 均 勻

3 扭 力 強 大

4 抗 銹 力 強

歡迎採購一定可獲得貴客之滿意

GALVANIZED IRON WIRE

WINS VERY HIGH REPUTATION WHERE-
EVER IT GOES

FINE QUALITY AT REASONABLE PRICE

BRIGHT & EVEN ZINC-COATING

STRONG TORSION FORCE

STANDARD TENSILE STRENGTH

STURDY RUST-RESISTING POWER

YOUR ENQUIRIES AND ORDERS
ARE CORDIALLY INVITED ANY
TRANSACTION WILL PROVE
AN ENTIRE SATISFACTION
TO YOU

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分公司：中國天津大沽中街 114 號。 電報掛號 "SUNDRY" 天津

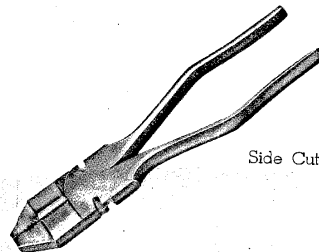
鐵 鉗

TRADE MARK

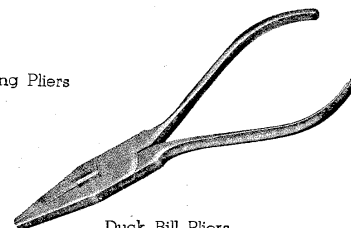
**DIAMOND
PLIERS**

中國雜品出口公司
CHINA NATIONAL SUNDRIES EXPORT CORPORATION

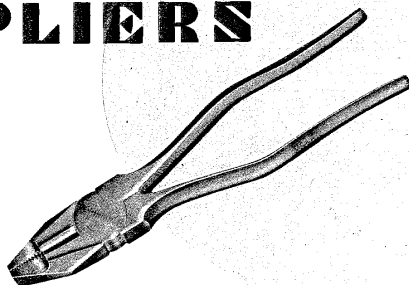
DIAMOND PLIERS



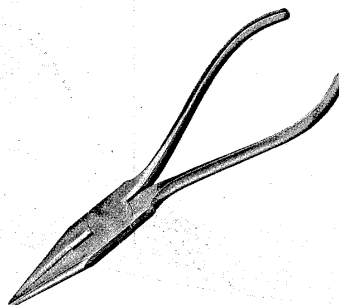
Side Cutting Pliers



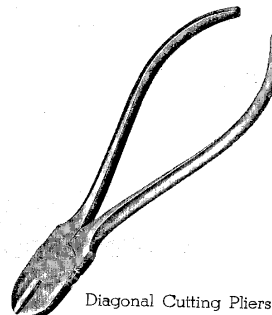
Duck Bill Pliers



Cable Pliers



Long Nose Pliers



Diagonal Cutting Pliers

Please note the specifications etc. described on the back of this leaflet.

☆ 金
鋼
牌 ☆

Particulars about Specification, Packing & Measurement

Art. No.	Name	Specifi- cation	Content per case	Gross weight (kg.)	Measurements of case
TA2/0013	Duck Bill Pliers	6"	8 doz.	21	21 ½"×8 ½"×8 ½"
TA2/0017	Side Cutting Pliers	6"	8 doz.	27	19"×9 ½"×9"
TA2/0018	Side Cutting Pliers	7"	8 doz.	35 ½	19 ½"×9 ½"×11"
TA2/0019	Side Cutting Pliers	8"	8 doz.	47 ½	22 ½"×10 ½"×11"
TA2/0022	Cable Pliers	6"	8 doz.	27	19"×9 ½"×9"
TA2/0023	Cable Pliers	7"	8 doz.	35 ½	19 ½"×9 ½"×11"
TA2/0024	Cable Pliers	8"	8 doz.	47 ½	22 ½"×10 ½"×11"
TA2/0028	Long Nose Pliers	6"	8 doz.	19	21 ½"×8 ½"×8 ½"
TA2/0033	Diagonal Cutting Pliers	6"	8 doz.	21	21 ½"×8 ½"×8 ½"

中國雜品出口公司

CHINA NATIONAL SUNDRIES EXPORT CORPORATION

Head Office: 32 (A) Chiu Tiao Hutung, East City, Peking, China

Cable Address: "SUNDRY" Peking

Shanghai Branch: 27 Chung Shan Road E1, Shanghai, China

Cable Address: "SUNDRY" Shanghai



MODEL 56-1 RECORD PLAYER

中國儀器進口公司

CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION

(IMPORTERS & EXPORTERS)

MODEL 56-1 RECORD PLAYER

When and where record entertainment is required, this smartly built Record Player is ideal to meet the demand. Its super sensitive magnetic pickup ($2500 \pm 5\%$ ohms) reproduces the full tone-quality of 10" or 12" records. The pickup arm, with a counter weight located at the base end, reduces the pressure of the needle, thus minimizing wear and tear of the record. An idler, rotating perpendicularly to the turntable and providing adjustable speed within a range of 70-90 R.P.M., is motivated by a single phase motor, which operates on either 110 V. or 220 V., 50 cycles.

Dimension: 35 × 22 × 16 cm.

56—1 型 電 唱 機

56—1 型電唱機是一架輕巧靈便，美觀大方，適宜家庭與收音機配合使用的電唱機，唱盤旋轉平穩，可調節轉速每分鐘自70—90轉，單相交流馬達，經久耐用，永磁動圈式唱頭靈敏度很高，不受潮濕的影響，10吋12吋標準唱片均可使用，電源110伏或220伏50週秒。

PHOTOELECTRIC COLORIMETER

MODEL 93B



中國儀器進口公司

CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION

(IMPORTERS & EXPORTERS)

PHOTO ELECTRIC COLORIMETER MODEL 93B

The Photo Electric Colorimeter Model 93B embodies the most recent improvements in design for efficiency, compactness and economy. This instrument is extremely simple to use and is easily standardized by reading the transmittancies of a number of solution of predetermined concentrations prepared in accordance with a specific chemical procedure. These readings, when plotted on a semilogarithmic scale against the known concentration on a linear scale, yield an analytical (calibration) curve or standard against which the unknown solutions of that technique may be compared.

This instrument is designed to work either from a 6 volt battery or direct from a 220-250 volt a. c. mains supply through a constant voltage transformer. The light passes through an absorption cell with an optical path of 10 mm., which holds the solution under test. Through the selected filter the transmitted light reaches the photo-cell, the output current of which is indicated on the galvanometer.

The galvanometer is calibrated with a linear scale 0-100 underneath which is a logarithmic scale for calculation of optical density. A set of six filters is supplied.



Battery Operated Radio Receiver.

中國儀器進口公司
CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION
(IMPORTERS & EXPORTERS)

2-VALVE BATTERY OPERATED RADIO RECEIVER

Specifications :

1. Valves: 1S5 Regenerative Detector
3S4 Audio amp.
2. Frequency Range :
550-1600 Kc.
3. Battery Used :
"A" battery : 1.5V
"B" battery : operating on 45V, 67.5V
or 90V.

Features :

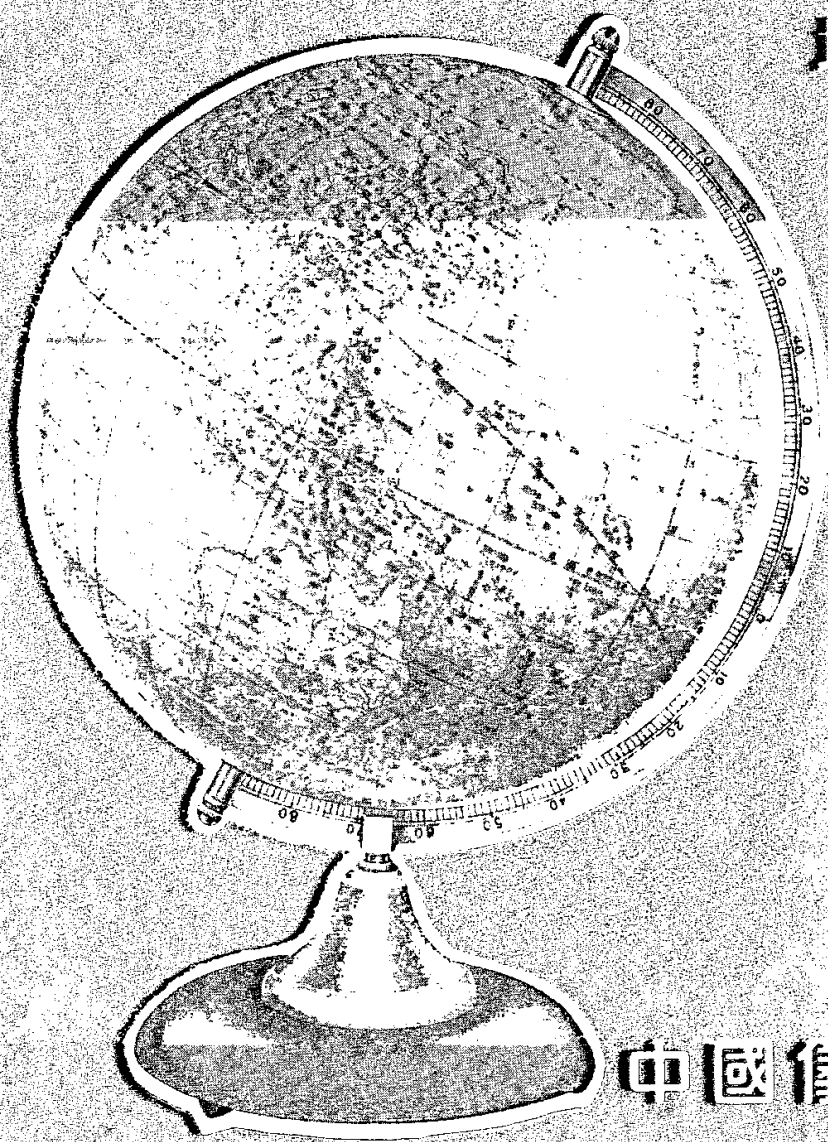
Economical in consumption of battery, High Sensitivity, Easy Tuning, Excellent Appearance and Strong Volume.

These receivers are most useful for villages, suburbs or other places where no electrical power supply is available.

1. 品名：乾電池雙管收音機（不附帶電池）。
2. 規格：再生式檢波一極低週波放大，甲電1.5伏，乙電45伏。
3. 說明：在無電地區，如農村曠野使用非常方便，收程遠能聽550至1600千週波，省電，靈敏度高，調節便利，電壓67.5V故用45V或90V乾電池均可，收聽機內燈管為(1S5)及(3S4)各1只，外表美觀聲音充沛。

TERRESTRIAL GLOBE

地球儀



中國儀器進口公司

CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION

(IMPORTERS & EXPORTERS)

TERRESTRIAL GLOBE

Radius vernier type, with wooden stand reinforced by metallic supports. The surface of the globe was printed in technical colors, important cities and communication lines of the world are prominently demonstrated. Best suitable for schools, offices and families.

With various sizes of 25 cm., 30 cm. and 35 cm.

地 球 儀

國產半徑標尺式地球儀，具有金屬及木盤座架，球面五彩印刷，着重顯示世界交通綫及各國主要城市，最適宜學校教學，辦公室及家庭應用，備有25公分，30公分及35公分三種產品，歡迎向我公司批購或向當地經銷書局選購。

Exported by:

CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION

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TIENTSIN: 171 Kien Shieh Road.

Cable Address: "INSTRIMP"

CANTON: 25 Tai Ping Road, S.

Cable Address: "INSTRIMP"

ZIN-E-TONE

Adjustable Hearing Aid



中國儀器進口公司
CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION
(IMPORTERS & EXPORTERS)

ZIN-E-TONE
Adjustable Hearing Aid
Operation and Maintenance Instructions

Often times a pair of Hearing Aid Apparatus will have a defect of unequal volume of sound to each ear receiver due to the fact that the gap between the magnet and diaphragm is not evenly affixed in proper position. Our ZIN-E-TONE will prevent such defect as having the following features resulting from latest improvements.

1. **ADJUSTABLE SOUND VOLUME** In doing this it is simply to take down from the headband the ear receiver that requires adjustment and loose the adjusting ring or coil (figure B). Then hold that back of the ear receiver with the right hand (figure C) close to your ear and turn the cover of the ear receiver very slowly with the left hand (figure A) in such a way until a pure-tone is reached and keep it in position by tightening the adjustment. In the course of turning caution must be taken, for a quick turn will often damage the diaphragm nor should the turn be too tight, as it will bend the diaphragm being pressed heavily on the magnet, and in no event should the adjustment be loosened again after it has been fixed to avoid any reduction in sound volume. In case the other ear receiver needs adjustment too, the procedure can be repeated as above stated

2. **THE GREATER THE STRENGTH OF THE MAGNET THE LOUDER WILL BE THE TONE** The magnet is made of Aluminum and nickel alloy steel which will give a great magnetic strength, maximum volume of sound, and a long life. The loss of magnetic flux is very little under heavy shock.

3. **FREE ADJUSTMENT** The best feature of our ZIN-E-TONE is the free adjustment of the gap between magnet and diaphragm in giving the volume of sound to its highest point and ensuring a better sensitivity of receptions from any radio receiver even the smallest crystal detector set.

MAINTAINANCE

1. Careful examination and proper adjustment have been ascertained to every piece of our ZIN-E-TONE before leaving factory. It is not advisable to turn the cover of the ear receiver before using, otherwise readjustment would be necessary and improper adjusting might damage the delicate part of the ear receiver sometimes, such as the breakdown of the diaphragm.

2. The handsome outside case of our ZIN-E-TONE is made of moulding bakelite, therefore care must be taken in handling without letting it fall to the ground nor hit it to a hard substance less the bakelite case should be broken and the intensity of sound be gradually diminished.

3. Do not hang the ZIN-E-TONE on wall nor keep it in damp places, otherwise the interior part of the ear receiver will be rusted causing a lower tone, or mould will appear on the moistened coil resulting the break of wire or rather a complete collapse of the apparatus.

4. In using the apparatus, do not twist the cord or else the copper conductor will be broken easily or to cause a "CRACK" sound unpleasant to hearing.

5. In using the apparatus, never take off the cover of the ear receiver nor remove out the diaphragm of its position, because the diaphragm plays always an important part of the whole apparatus in respect of sound intensity, which will be weakened if the diaphragm is not in its flatness. The apparatus should be also put down as gently as possible after using.

CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION

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TIENTSIN: 171 Kien Shieh Road.
Cable Address: "INSTRIMP"
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Cable Address: "INSTRIMP"

中國運輸機械進口公司

橡膠混合機

RUBBER MIXING MILL

This machine is sturdily built and is designed for rolling or compounding crude, compounded or reclaimed rubber. It has two parallel steam heated hollow rollers, revolving at varied speeds and are equipped with temperature regulating devices in their interiors. The driving system comprises of electric motor, speed reducing gearing, gears, and clutch. Rollers are made of chilled iron so as to ensure against radial pressure and wear. The space between rollers is adjustable by means of set screw.

Treating capacity	30 to 40 kgs. per hour
Size of Rollers: Diameter...	355 mm. (14")
Length	915 mm. (36")
Speed: Main roller	16 rpm.
Auxiliary roller	12 rpm.
Driving shaft	75 rpm.
Ratio of speed reduction gearing	960:75
Motor: Type	Semi-enclosed type
Power	40 HP
Speed	960 rpm.
Overall dimension (L×W×H)	2680×1640×1060 mm.
Net Weight	4500 kgs. approx.

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

整圓輪胎翻制機

FULL CIRCLE TYRE RETREADING MACHINE, Model TR

This equipment retreads all commercial tyre sizes. Old tyres are retreaded by vulcanizing new rubber on to the tread sole which has been previously roughened.

Mould : The top half mould is stationary and supported by the frame. The lower half mould, being hinged to the top half, can be closed by an air cylinder which is operated by air of 12 atm. (180 lbs. per sq. in.) to be furnished by a separate air compressor. Both mould halves are jacketed and heated by means of steam of about 4.4 atm. (65 lbs. per sq. in.)

Matrix : The equipment is furnished with one piece of interchangeable aluminum tyre matrix which is available in different tread designs according to customer's requirement.

The moulds are made in five types each of which is suitable for certain range of sizes of matrices according to following table. Each machine is furnished with one matrix, the size of which is to be stated on order. With each matrix a spacer ring is delivered. The spacer ring enables adjustment of possible difference of tyre sizes.

Vulcanizing Process : When vulcanizing, the mould halves should be securely closed by means of the tightened bolts. The lateral heating of the mould and the high pressure applied to the tyre permit perfect tyre retreading or relining whether from bead to bead or from shoulder to shoulder. Air bags are to be placed inside the tyres when vulcanizing. These air bags have to be adopted to the various tyre sizes and are not supplied with the equipment. Aluminum moulds used for making air bags can be supplied at extra cost.

Normally it takes about $1\frac{1}{2}$ to 2 hours to retread each tyre. Boiler and air compressor plant can be quoted upon request.

Mould No.	Tyre Size Handled	Weight (kg) Net Gross	Shipping Space	Remarks
TR 1	650×16	749 882	86.5×99.0×124.5 cm	Same retreading process can be applied to size 600×16 by changing matrix to suit the size.
TR 2	750×20	933 1165	89.0×124.5×147.0 cm	Same applied to sizes 650×20, 700×20 by changing matrices to suit the sizes.
TR 3	1000×20	1716 1906	91.0×141.0×166.0 cm	Same applied to sizes 825×20, 900×20 by changing matrices to suit the sizes.
TR 4	1200×20	2400 2645	91.4×143.0×176.0 cm	Same applied to sizes 1050×20 1100×20 by changing matrices to suit the sizes.
TR 5	1200×22	2453 2821	91.4×147.0×180.0 cm	

Each machine is supplied with wrench, 1 steam pressure gauge, 1 thermometer. Extra matrix spacers available at additional cost.

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

機 鈕 揸

STUD MAKING MACHINES

Name of machine	Spindle speed rpm	Stroke mm	H.P. required	R.P.M.	Overall dimension mm	Weight Kg.	Output per min.
(A) 1	150	29×39	2½	960	1220×1070×2160	1725	750 pcs.
(A) 2	140	39×39	½	960	530×310×770	130	280 pcs.
(B) 1	150	29	2½	960	1220×1070×2160	1700	750 pcs.
(B) 2	150	10×30	2	960	990×690×1710	1400	750 pcs.
(B) 3					390×210×410	17	18 pcs.
(C)	150		½	960	950×690×970	310	600 pcs.
(D)	500		7½			250	

All power driven machines are coupled to the motor by Vee belt.

The name of machine is listed and explained as follow":

NAME OF MACHINE

(A) For Head part of Stud

1. Punch Press for cutting copper or zinc alloy strips into pieces and at the same time bead and sewing holes are formed and edge is turned downward.
2. Press for folding the edge of the stud.

(B) For Spring part of Stud

1. Press for making bead and sewing holes on strips.
2. Punch Press for cutting strips into pieces and at the same time edge is turned upward.
3. Hand driven Press for folding the edge of the Stud and at the same time wire spring is inserted.

(C) Wire Spring Making Machine

- (D) Vertical Air Compressor for the supply of compressed air to each machine to blast scraps from the dies.

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

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ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

鋼 筆 刻 名 机

ENGRAVING INSTRUMENT

Working Instructions:-

1. Signature specimen Place specimen of signature underneath glass plate (1) and tighten screw.
2. Clamp button Press button (2).
3. Clamp Insert pen and have it held firm by clamp (3).
4. Impression control button Press (4) with left hand finger and hold (5) with right hand. Release left hand finger when encountering broken strokes. When engraving on pen of soft material, moving screw button upward; when engraving on pen of hard material, screw button downward. The impression is thus regulated.
5. Tracer Trace along the signature in concord with the impression control button.
6. Bulb This is intended to improve illumination whenever necessary.
7. Wing screw Loosen this screw to detach the eggshape engraver.
8. Chuck Screw off chuck to replace needle.
9. Big screw
10. Horizontal screw

When big screw becomes loose after repeated use, loosen it first: tighten horizontal screw (10) and then tighten big screw.

TYPE 101



PORTABLE KELVIN BRIDGE

中國儀器進口公司

CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION

(IMPORTERS & EXPORTERS)

INSTRUCTION MANUAL

Portable Kelvin Bridge is a convenient instrument for low-resistance measurement in the range of 0.0001—10 ohms, or for measuring the conductivity of wires.

The circuit diagram of the bridge is as follows:

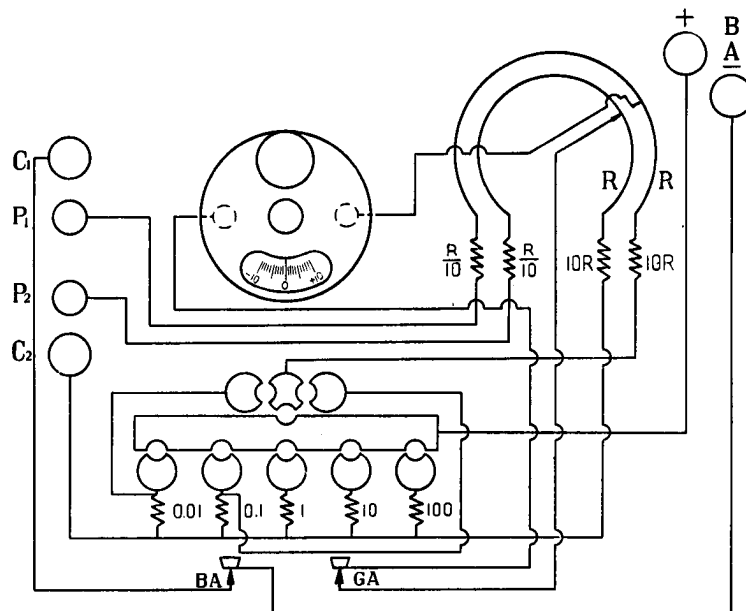


FIG 1

CONSTRUCTION

A knob at right of the panel is used to vary the position of the galvanometer circuit in the double slide wire, and therefore the reading of the dial. The galvanometer is installed at the left of the panel, with a ratio block in the lower part of the meter.

(1) The galvanometer

A zero adjusting cap (7 in fig. 2) is mounted on the upper part of the galvanometer. Care should be taken not to turn violently to avoid damage of the adjuster. A button (9 in fig. 2) is provided to lock the pointer of the galvanometer. To lock the pointer, push the button forward, to unlock, push backward.

(2) Ratio Block

Two plugs are used to change the ratio of the bridge (10 and 11 in fig. 2). Plugs should be pressed firmly to ensure minimum contact resistance.

(3) Slide Wires

The reading dial comprises two slide wires. Turning the knob of the dial will vary the position of the galvanometer in the slide wires.

(4) Keys

Key "G" (6 in fig. 2) may be locked by pressing down and turn clockwise.

Key "B" (5 in fig. 2) cannot be locked.

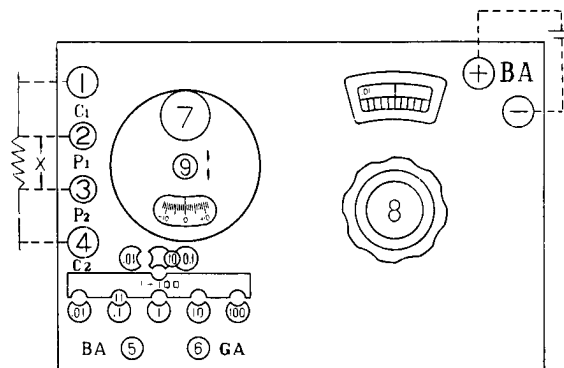


FIG 2

(5) Weight of the instrument approx 3.4 kg.

Dimension shown as follows:

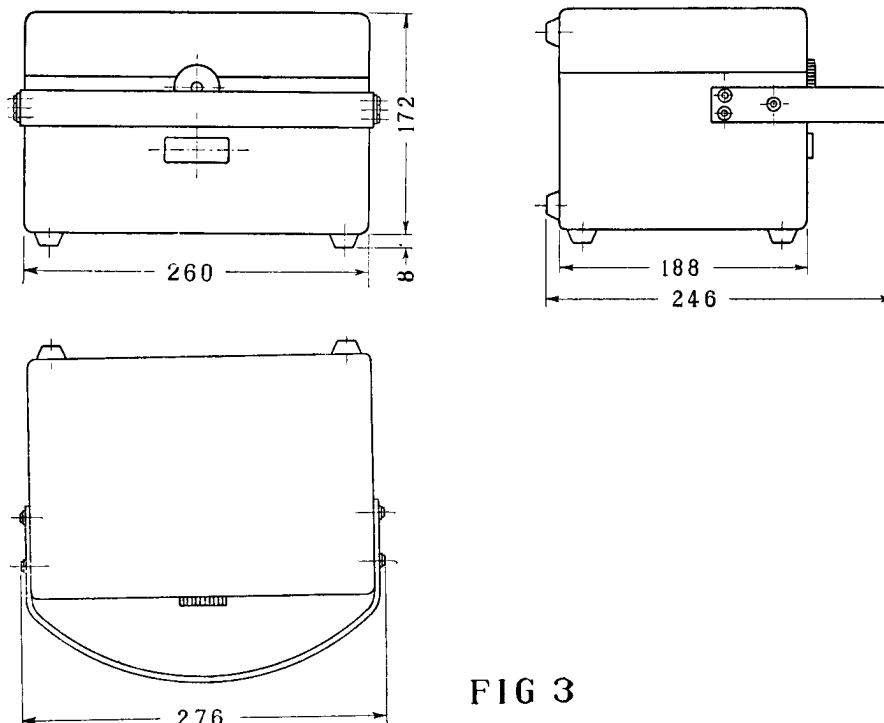


FIG 3

OPERATION

- (1) Resistance lower than one ohm must have four terminals, connect as shown in fig. 2. Posts No. 1 and No. 4 are current terminals, and posts No. 2 and No. 3 are potential terminals. For resistance higher than one ohm, posts No. 1 No. 2, and No. 3 No. 4 may be tied up with a short bus wire respectively, and resistance to be measured is connected to posts No. 2 and No. 3.
- (2) Connect battery to posts "B+" and "B-". Use three 1.5v dry cell (connect in parallel), or one 2v 60Ah storage battery. When measuring low resistance, better use 4v storage battery. Key "B" (5) should not be pressed too long to avoid excessive power consumption.
- (3) Press down key 6 to close the galvanometer circuit. To lock the key, press down and turn clockwise.
- (4) Release the galvanometer lock 9, and turn the zero adjuster 7 until the pointer indicates in the zero position. Set the plugs in the corresponding holes as follows:

Measuring Range	Position of Plug 10	Position of Plug 11
1—10 Ω	1—100	100
0.1—1 Ω	1—100	10
0.01—0.1 Ω	1—100	1
0.001—0.01 Ω	0.1	0.1
0.0001—0.001 Ω	0.01	0.01

- (5) Press down key 5, and balance the bridge by turning the dial 8. The dial reading multiplied by the value indicated at plug 11 will be the result of the unknown resistance.

EXAMPLE

The dial reading 0.025

The plug in the 0.1 position

$$\therefore R_X = 0.025 \times 0.1 = 0.0025 \text{ ohm}$$

- (6) The null indicator of the bridge is a sensitive suspension type galvanometer avoid excessive vibration. Push forward the button 9 to lock the pointer when not in use.
- (7) To measure the conductivity of copper wire, use following formula:

$$\text{Conductivity} = R_t / R_X \times 100\%$$

R_X = Resistance of copper wire to be measured at $t^\circ\text{C}$

R_t = Resistance of standard copper wire of same diameter at $t^\circ\text{C}$

R_t may be calculated as follows:

$$R_t = R_{20} [1 + 0.003(t - 20)]$$

where R_{20} is the resistance of standard copper wire of same diameter at 20°C .

- (8) The instrument should be kept in dry place, and should avoid any harmful atmosphere.

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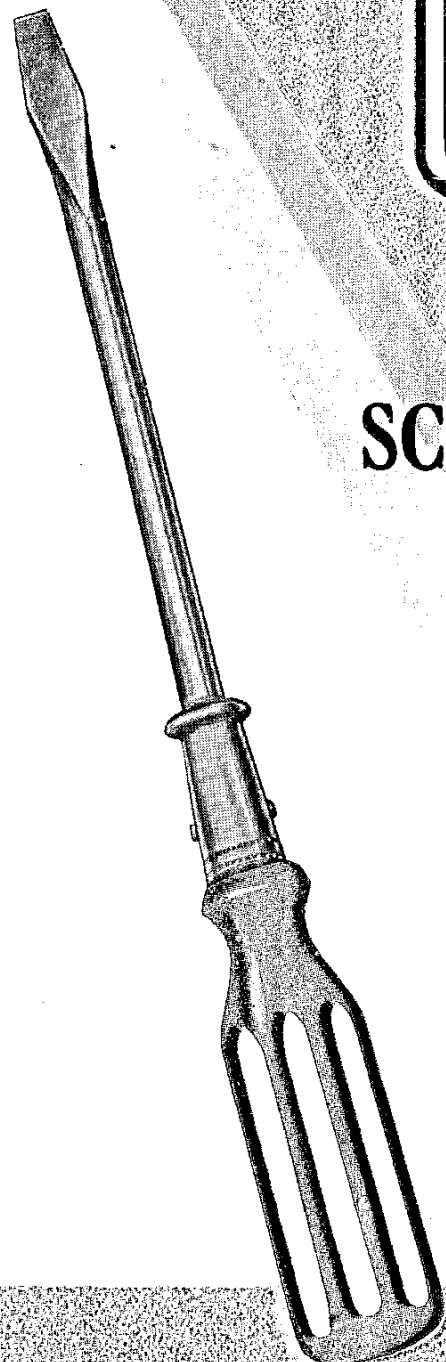
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唯一牌
木柄羅絲批

UNIQUE BRAND SCREW DRIVER



中國雜品出口公司
CHINA NATIONAL SUNDRIES EXPORT CORPORATION

SPECIFICATIONS

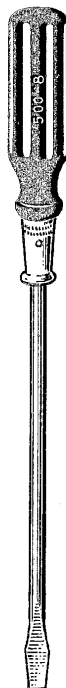
- Handle made of selected wooden material, carved with seven troughs to prevent slipping.
- Blade forged from fine medium carbon steel, bolted to the handle and is chrome plated.



12"



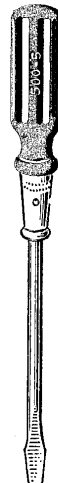
10"



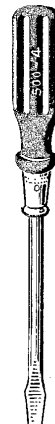
8"



6"



5"



4"



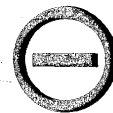
3"



2 1/2"



2"



SCREW-DRIVER

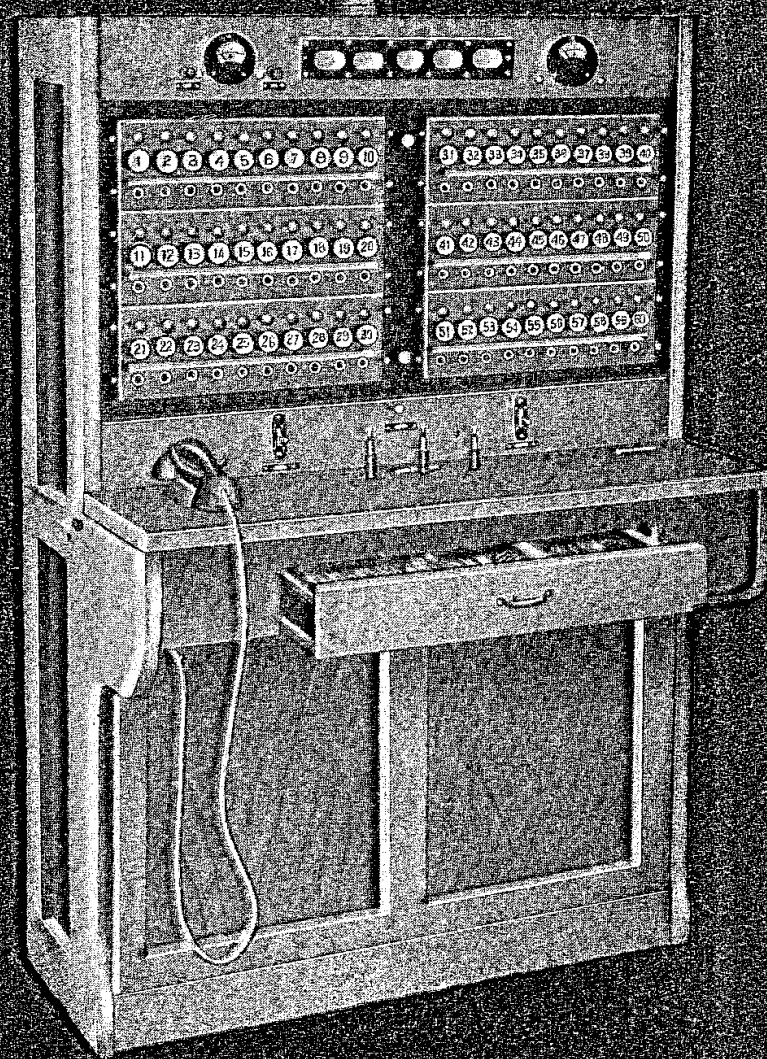
PACKING

Specification	Contents per case	Measurements (cm.)			Weight per case (kg.)	
		Length	Width	Height	Gross	Net
2''	100 doz.	56	37	44	58	48
2½''	100 ,,	56	39	44	60	50
3''	100 ,,	59	44	47	73	62
4''	80 ,,	77	53	36	86	76
5''	50 ,,	59	53	37	75	65
6''	50 ,,	67	57	39	88	76
8''	40 ,,	77	42	51	104	88
10''	25 ,,	68	48	45	94	76
12''	25 ,,	70	54	48	110	90

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TLD-60

ALARM RECEIVING BOARD RADIATION TYPE



中國儀器進口公司

CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION

(IMPORTERS & EXPORTERS)

TLO-16,30,60 ALARM RECEIVING BOARD, RADIATION TYPE

Application:

The alarm receiving board is to be used in the radiating type alarm receiving system for the purpose of receiving fire alarm and burglar alarm signals. TLO-16 type is used at small-sized stations, TLO-30 type, at medium-sized stations and TLO-60 type, at large-sized stations.

Description:

The TLO alarm receiving board, is a new product of China, made up to the recognized international standard. Within the capacity of the receiving board, any number of alarming signals may be received. Not more than three alarm-sending apparatus may be connected in each circuit.

When alarms are being received, visible and audible signals appear on the board to indicate the number of the particular alarming circuit. Besides, alarm sirens or bells may be installed at any necessary location.

Officially secret-coded signals delivered from the alarm sending apparatus may be received at the board. Answering signals may be sent back to the originating apparatus and telephone communication established.

D.C. milliammeter and voltmeter are mounted on the receiving board to check the line current and battery voltage.

If any trouble happens on the line, e.g. disconnection, short-circuiting and grounding, an alarming signal will appear to show the nature of the trouble and the number of the line in question.

Technical Data:

Capacity of the alarm receiving boards:

- 16 circuits of alarm sending apparatus may be installed with TLO-16 type board.
- 30 circuits of alarm sending apparatus may be installed with TLO-30 type board.
- 60 circuits of alarm sending apparatus may be installed with TLO-60 type board.

Power Supply:

Two sets of storage battery are necessary for the receiving board, one for the line and the other for the local circuit of the board. The battery voltage for TLO-16 or TLO-30 type board is 24V, and that for TLO-60 type board is 48 volts.

Allowable Line Resistance:

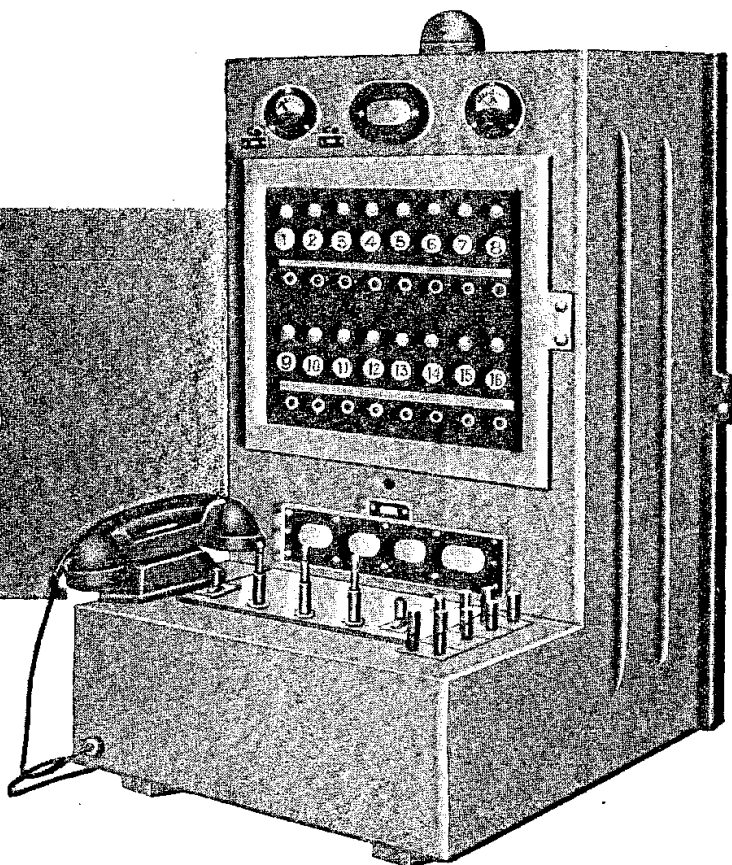
The line resistance (including protecting equipment) of each circuit for TLO-16 and TLO-30 type boards is 300 ohms maximum, and that for TLO-60 type board is 1000 ohms maximum.

Dimensions:

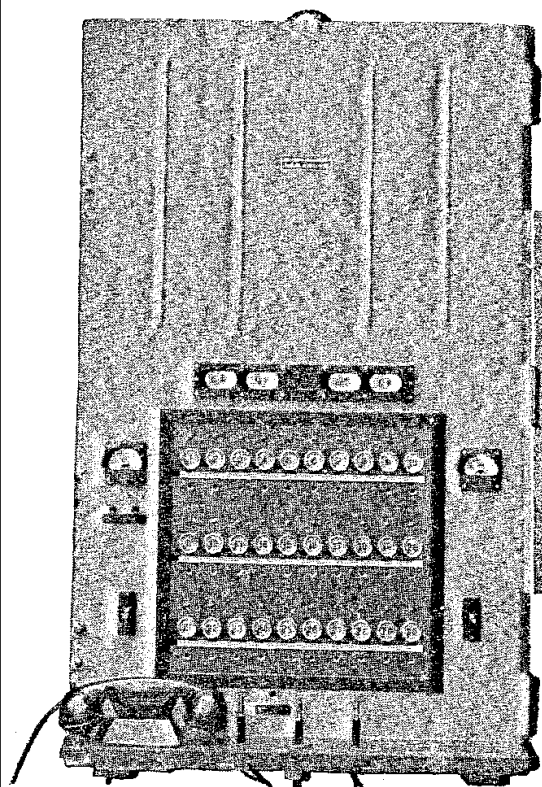
	TLO-16	TLO-30	TLO-60
Width	482 mm	740 mm	932 mm
Depth	455 "	235 "	550 "
Height	725 "	1740 "	1380 "

Weight:	56 kgs.	92 kgs.	166 kgs.
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TLO-16



TLO-30



AUTOMATIC RECORD CHANGER

MODEL "54"



中國儀器進口公司

CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION

(IMPORTERS & EXPORTERS)

MODEL "54"
AUTOMATIC RECORD CHANGER

This record changer is a combination of superior mechanism and fine craftsmanship, guaranteed to give years of excellent service. It changes twelve 10" or ten 12" records at one loading. Sturdy built 4-pole motor, operating on either 110 V. or 220 V., 50 cycles, assures long operating life. Rim drive provides smooth constant speed. Simple to operate with combination on-off and rejection switch. Light weight magnetic pickup protects records from overpressure.

Complete with handsome varnished wooden cabinet, 5 ft. of power source cord as well as 5 ft. of single conductor shielded wire for plugging into radio or amplifier.

Dimension: 48 x 40 x 28 cm.
Net Weight: 10 kgs.

"54"型自动落片式電唱機

"54"型自动落片式電唱機構造精密，靈巧輕便，適用於擴音機或收音機配合使用。它每次可以連續自動調換十吋唱片十二張或十二吋唱片十張，內部主要包含一具堅固耐用的四極馬達，適用於110 V.或220 V.電壓，單相交流50週/秒。轉盤速度平均，旋轉平穩，轉矩強大，並附有啓停以及對不喜歡聽的唱片先期調落的開關機揆，使用便易，磁性唱頭體質很輕，使唱片不致於因重負而易磨損。

電唱機外部係一精美噴漆的木箱，裝有電源輸入線和連接擴音機或收音機的音週輸出線各一根，均長五呎。

尺寸: 48 x 40 x 28 公分
淨重: 10 公斤

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Safety First



AURORA

Fire Extinguisher



震旦滅火機



SPECIFICATION

All Aurora Fire Extinguishers are made of mild steel plates, with seams welded.

All models of extinguishers had been tested to a pressure of 24.5 kilos per square centimetre (model 2 19/0004 Tested 11 kg/cm²) and coated with tin (with the exception of the wheels type) to prevent from corrosion. They are practically everlasting.

The Aurora Chemical Foam, being sticky, will firmly adhere to the burning articles.

The specific gravity of the Aurora Chemical Foam is lighter than that of oil, so fire, caused by gasoline, petroleum, etc. could be easily extinguished.



Z 19/0005-6



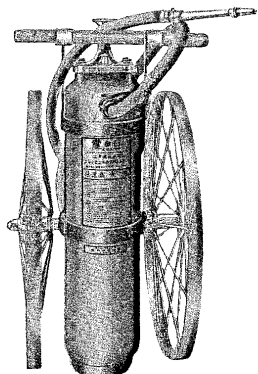
Z 19/0001-2



Z 19/0003



Z 19/0004



Z 19/0007-10

Art. No.	MODEL	CAPACITY	SUITABLE FOR
Z 19/0004	"Pressure Type" Carbon Tetra-chloride Fire Extinguisher	¼ gallon (1 litre) nominal	Extinction of all electrical fires
Z 19/0001	Standard "37" Foam Type Fire Extinguisher	2½ gallons (8.3 litres) nominal	Factories Schools, offices Homes, etc.
Z 19/0002	Standard "37" Soda acid Type Fire Extinguisher	2½ gallons (8.3 litres) nominal	Factories Schools, offices Houses etc.
Z 19/0003	Standard "53" marine Type Foam Fire Extinguisher	2½ gallons (8.3 litres) nominal	Ships, Buses, Transportation cars, etc.
Z 19/0005	"Factory Size" Foam Type Fire Extinguisher	5 gallons (16.6 litres) nominal	Factories godowns, Hotels, etc.
Z 19/0006	"Factory Size" Soda acid Type Fire Extinguisher	5 gallons (16.6 litres) nominal	Factories godowns, Hotels, etc.
Z 19/0007	"Wheel Type" Foam Fire Extinguisher	22 gallons (65 litres) nominal	Paint and Varnish Factories
Z 19/0008	"Wheel Type" Soda acid Fire Extinguisher	22 gallons (65 litres) nominal	Paint and Varnish Factories
Z 19/0009	"Wheel Type" Foam Fire Extinguisher	40 gallons (124 litres) nominal	Paint and Varnish Factories
Z 19/0010	"Wheel Type" Soda acid Fire Extinguisher	40 gallons (124 litres) nominal	Paint and Varnish Factories

PACKING

Art. No.	Contents per case	Measure- ments (cm.)			Wt. (kg)	
		L	W	H	gross	net
Z 19/0004	24 Pcs.	59	42	55	82	72
Z 19/0001 (Without chemical)	12 Pcs.	80	65	68	70	58
Chemical for above	24 Sets	62	43	42	58	48
Z 19/0002 (Without chemical)	12 Pcs.	80	65	68	70	58
Chemical for above	24 Sets	47	38	51	31	24
Z 19/0003 (Without chemical)	12 Pcs.	80	65	68	75	61
Chemical for above	24 Sets	62	43	42	58	48
Z 19/0005 (Without chemical)	6 Pcs.	84	59	84	115	90
Chemical for above	12 Sets	50	40	53	58	48
Z 19/0006 (Without chemical)	6 Pcs.	84	59	84	115	90
Chemical for above	12 Pcs.	40	30	42	31	24

中國雜品出口公司

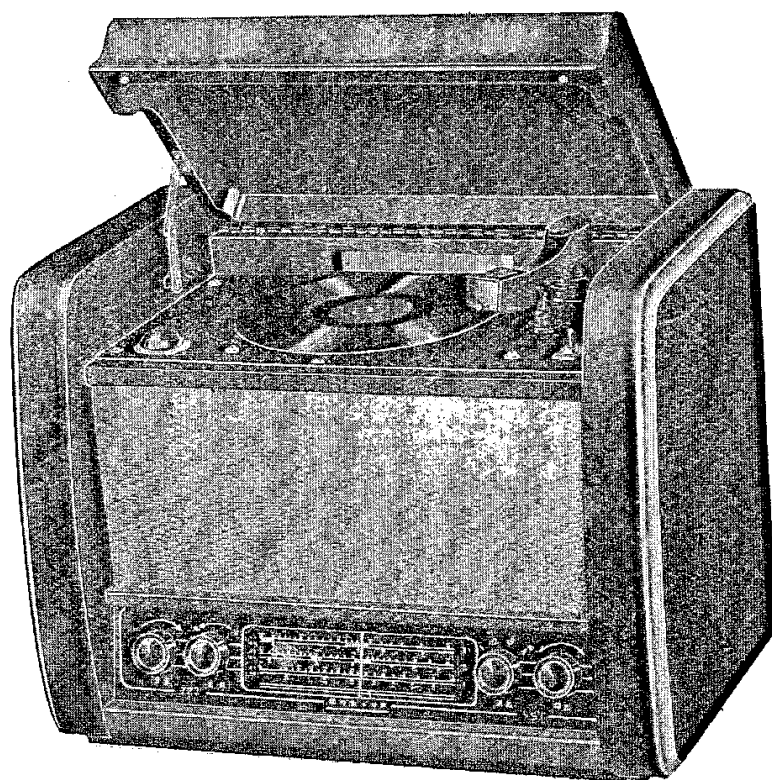
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FRIENDSHIP BRAND

RADIO-PHONOGRAPH COMBINATION



MODEL 722-551

中國儀器進口公司

CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION

(IMPORTERS & EXPORTERS)

RADIO-PHONOGRAPH COMBINATION "FRIENDSHIP" BRAND

MODEL 722-551

This radio-phonograph combination is of the most recent design. The radio receiver is a deluxe superheterodyne 7-tube, 3 wave band set. It is extremely selective and sensitive. The high fidelity crystal pickup reproduces a fine true tune and has no frequency discrimination. The use of miniature tubes, iron core I. F. transformer, and R. F. coil ensures its highest quality, double amplification and perfect performance. The speed of the phono-motor is 78 rpm., suitable for playing all standard records up to 12".

TUBES AND NUMBERS:- One-6BE6; Two-6BA6; One-6AL5; One-6AQ5; One-1629 (magic eye); One-5Y3 GT/G; and Two-6.3V bulbs for dial illumination.

WAVE BANDS:-

Short wave - 1 (Red) 39.5-79.0 metres (7.6-3.8 M.C.)
Short wave - 2 (White) 24.8-33.3 „ (12.1-9.0 M.C.)
Medium wave (Yellow) 188-545 „ (1600 - 550 K.C.)
Phonograph

INTERMEDIATE FREQUENCY:- 465 K. C.

SENSITIVITY:- 1. Medium wave not less than 200 microvolts. Short wave not less than 300 microvolts. Pickup output not less than 0.15 volts.

2. Wattage output: Minimum 1.5 watts.
Maximum 4 watts.

SPEAKER:- 6 watts, 200 mm. dia. P. M. speaker.

Binding post is provided on back of receiver for extra speaker of 4 ohms.

AUTOMATIC VOLUME CONTROL:- As output variation does not exceed 8 d. b. to input variation of 26 d. b., an equal signal strength on all incoming stations can be obtained at the same volume level.

POWER SOURCE:- 110/220 volts, AC, 50/60 cycles.
Provided with special voltage socket.
Power consumption - 50 watts.

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C-24 C B & AUTOMATIC DESK TYPE
Telephone Sets



中國儀器進口公司
CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION
(IMPORTERS & EXPORTERS)

DKZ-20 INTERDEPARTMENT DISPATCHING TELEPHONE SWITCHBOARD

Application:

The interdepartment dispatching telephone switchboard is of C.B. type used for dispatching telephone calls within a shop of a large factory or within a small factory.

Description:

This desk type switchboard is manufactured after DKZ-20 type interdepartment dispatching telephone switchboard being a new product of China made up to the recognized international standard. It provides two separate positions for a telephone operator and a dispatcher, enabling them to handle the following telephonic calls:

1. Either the operator or the dispatcher may communicate with a direct subscriber, or communicate simultaneously with two or three direct subscribers. Calls of such nature may be carried out in two groups at the same time.
2. The dispatcher may communicate with subscribers of C.B. or automatic central offices. In case of necessity, the subscriber may be held on the line temporarily.
3. The dispatcher may communicate with the factory dispatcher.

4. Signalling lamps and alarm bells are provided on the switchboard. In case a conference is organized through a DK3 type factory dispatching telephone switchboard, calling signals of "appealing for conversation" may be originated from the DKZ-20 type switchboard.

Technical Data:

1. This switchboard provides 20 direct subscriber lines, the maximum allowable loop resistance of which is 400 ohms.

2. This switchboard provides one trunk circuit to automatic or C.B. central offices and one trunk circuit to DK3 type factory dispatching telephone switchboard (the latter may be connected to the central office alternatively). The maximum allowable loop resistance of the trunks is 800 ohms.

3. Ringing source is supplied from 110^v or 220^v mains through a ringing transformer. The power source for subscriber sets is supplied from 24^v storage battery, with an allowable limit of $\pm 2^v$.

4. Dimensions: 230 x 507 x 540 mm (including both the microtelephone and the cradle).

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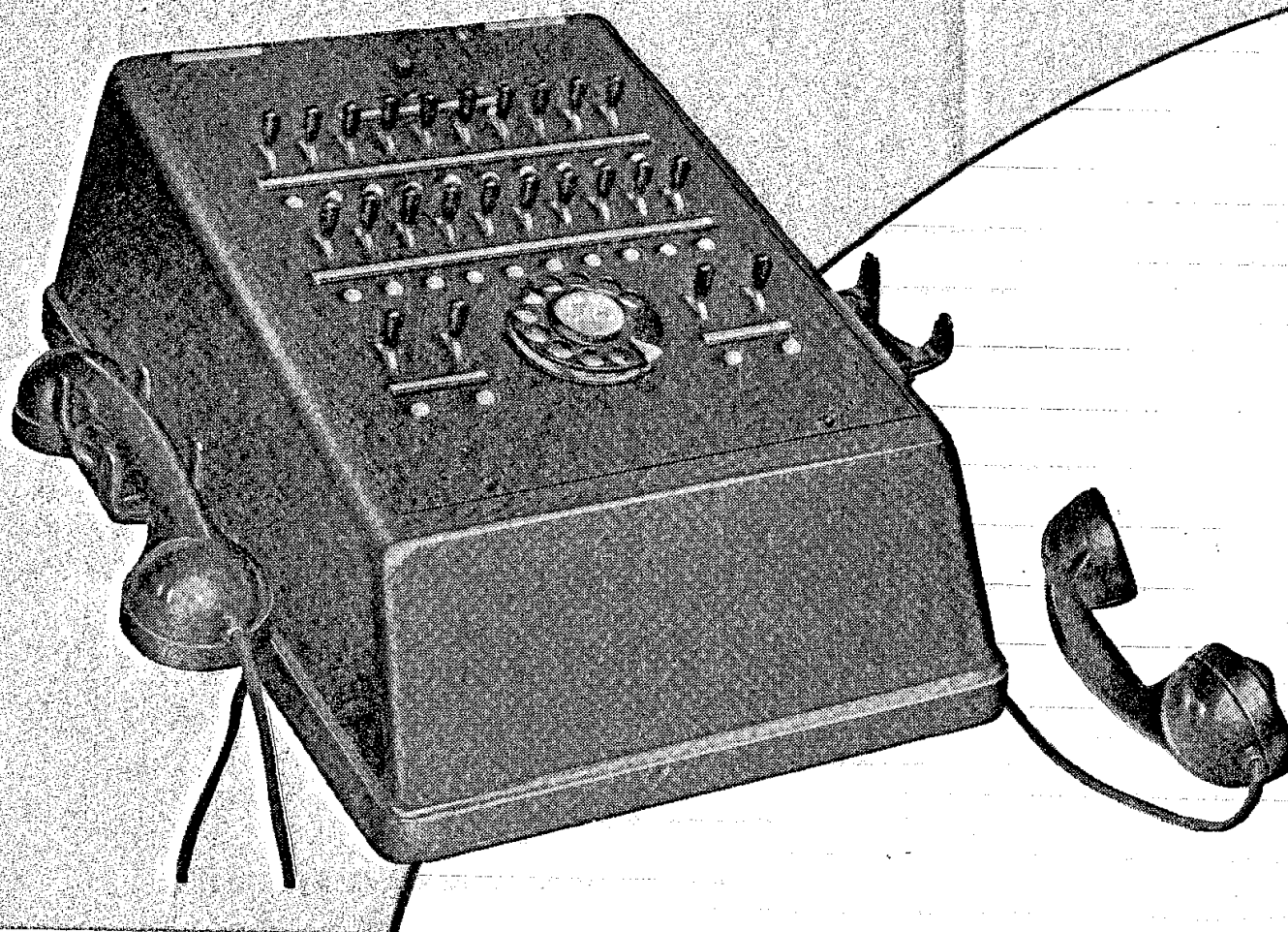
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DKZ-20

INTERDEPARTMENT

DISPATCHING TELEPHONE SWITCHBOARD



中國儀器進口公司
CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION
(IMPORTERS & EXPORTERS)

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3. Ringing source is supplied from 110V or 220V mains through a ringing transformer. The power source for subscriber sets is supplied from 24V storage battery, with an allowable limit of $\pm 2V$.
4. Dimensions: 230 x 507 x 540 mm (including both the microtelephone and the cradle).

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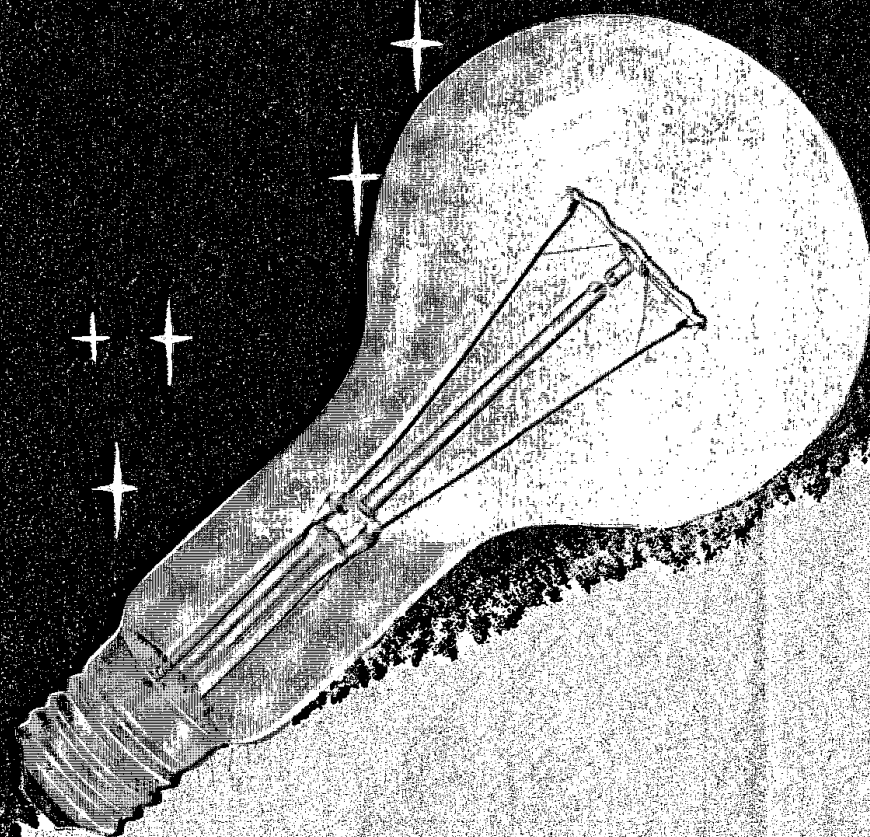
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TIENTSIN: 171 Kien Shieh Road.

Cable Address: "INSTRIMP"

CANTON: 25 Tai Ping Road, S.

Cable Address: "INSTRIMP"



WHA TEH

Lamps

25X1



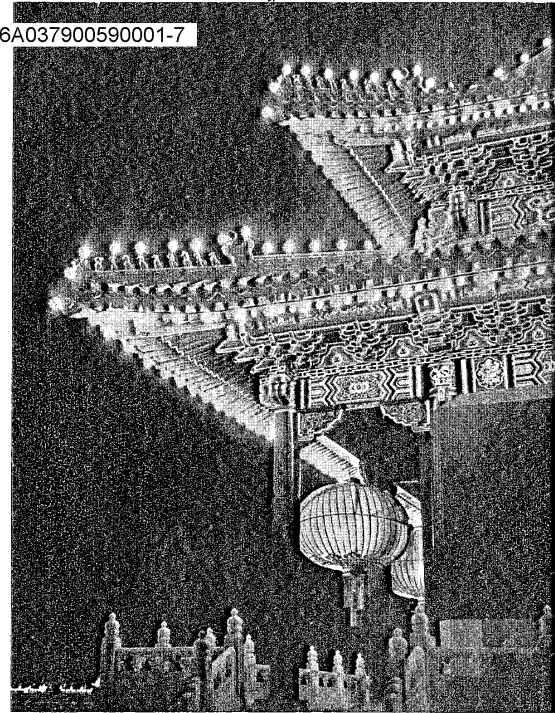
HA TEH LAMPS (Electric bulbs).

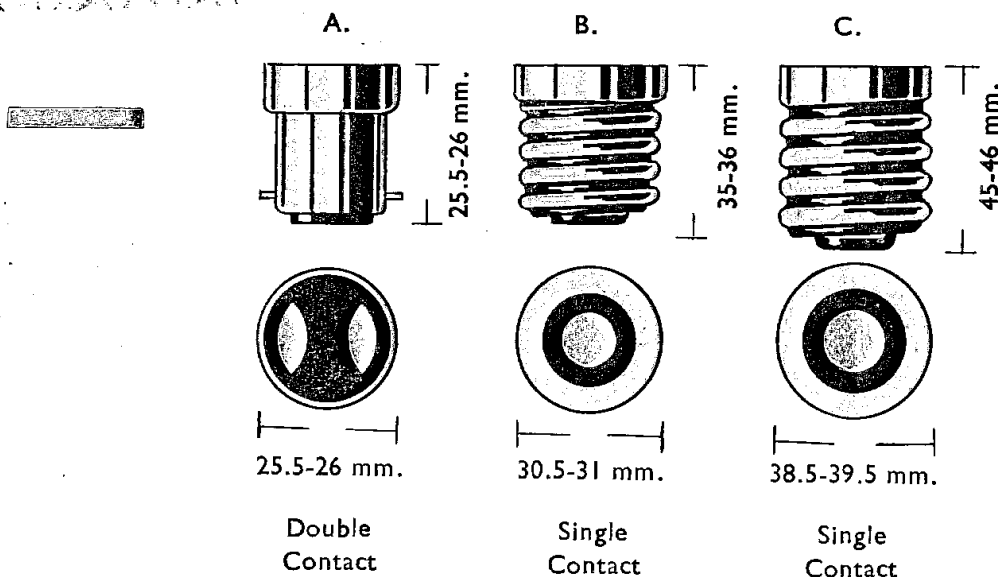
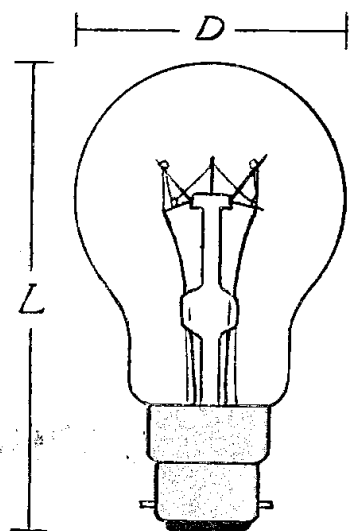
The "Wha Teh" Electric Bulbs undergo rigid inspection during the process of manufacture. The filament is uniform in length and even in tension with high illuminating power and low current consumption as their special features. The average life of a "Wha Teh" bulb is 1,000 hours at the rated voltage.

STANDARD VOLTAGE: 110V or 220V

Watts	Vacuum or Gas-filled	Lumens Approx.		Average Life Hours	Dimension (mm)		P A C K I N G								
							Pcs. to a carton	Cartons and Pcs. to a wooden case		Measurements of wooden case			Volume of wooden case (cu. ft)	Weight (kg)	
		220V	110V		L.	Diam.		Cartons	Pcs.	L.	W.	H.		Gross	Net
15	V.	100	115	1,000	96	54	25	20	500	28"	28"	25"	11.35	44	23
25	V.	180	210	1,000	106	57	25	20	500	28"	28"	25"	11.35	44	23
40	V.	290	360	1,000	113	60	25	20	500	28"	28"	25"	11.35	44	23
60	G.	540	595	1,000	121	64	25	20	500	29"	29"	27"	13.15	49	26
75	G.	712	787	1,000	128	70	25	8	200	32"	25"	17"	7.88	29	13
100	G.	1,000	1,250	1,000	141	75	25	8	200	33"	26"	18"	8.94	31	14
200	G.	2,560	2,900	1,000	183	91	25	4	100	33"	21"	21"	8.43	28	11
500	G.	7,500	8,200	1,000	275	127	12		50	35"	24"	24"	11.67	34	14

BULBS OF 150 AND 300 WATTS ARE ALSO AVAILABLE.



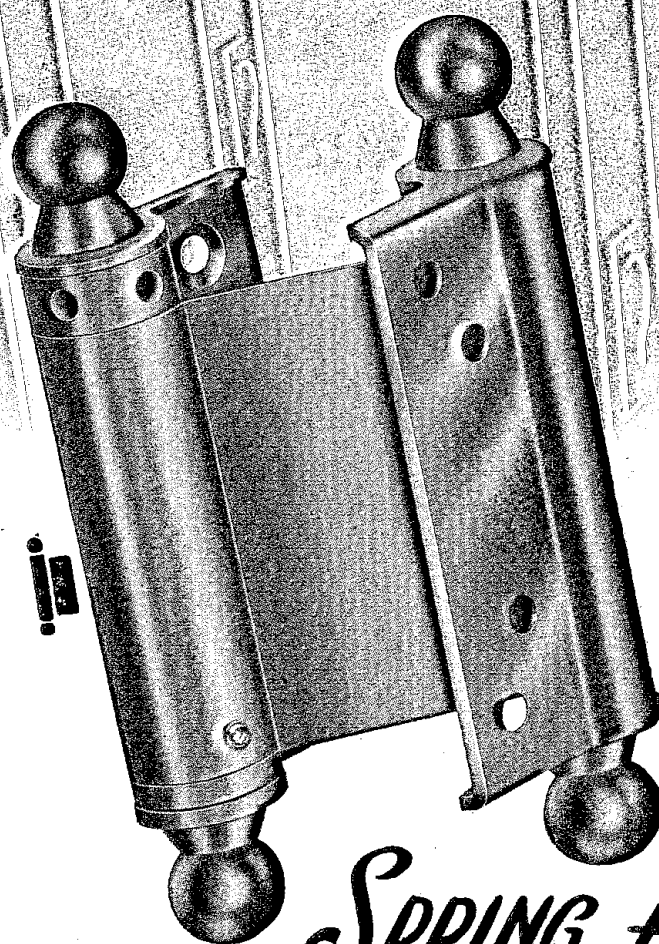


中國雜品出口公司
CHINA NATIONAL SUNDRIES EXPORT CORPORATION

- A. For bulbs below 200 watts.
- B. For bulbs of 200 & 300 watts.
- C. For bulbs of 400 & 500 watts.

All sizes within the range of 15-300 watts can be fitted
with either bayonet or screw caps if required.

雙彈簧鉸鏈
HERO BRAND



SPRING HINGES
DOUBLE ACTION
FOR RIGHT OR LEFT HAND DOORS

MADE IN CHINA

HERO BRAND

SPRING HINGES DOUBLE ACTION

The "Spring Hinges, Double Action," used for right and left hand doors, are made of fine quality and highly practicable for general use. They will give satisfaction to you after application of them.

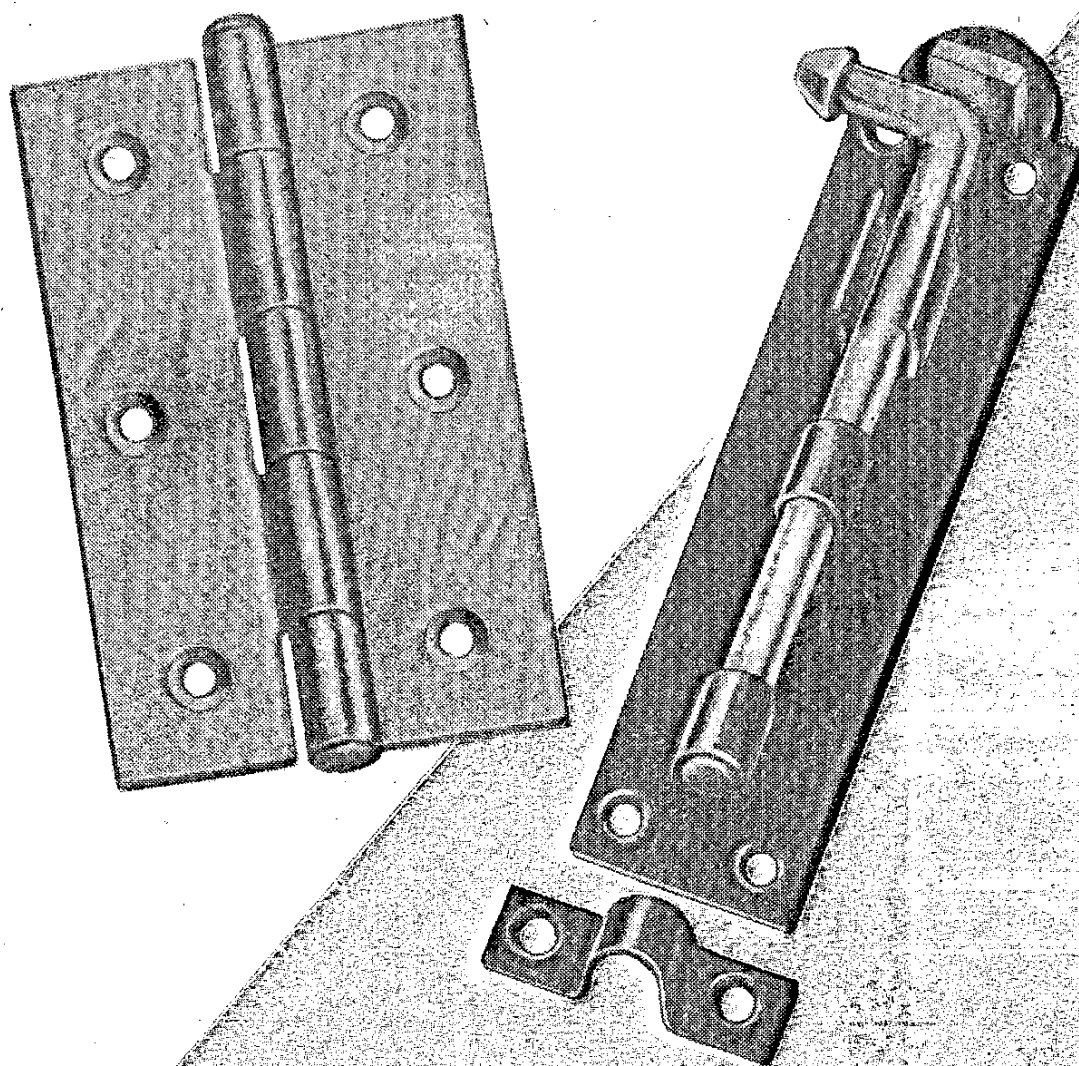
Each pair provided with screws.

PACKING

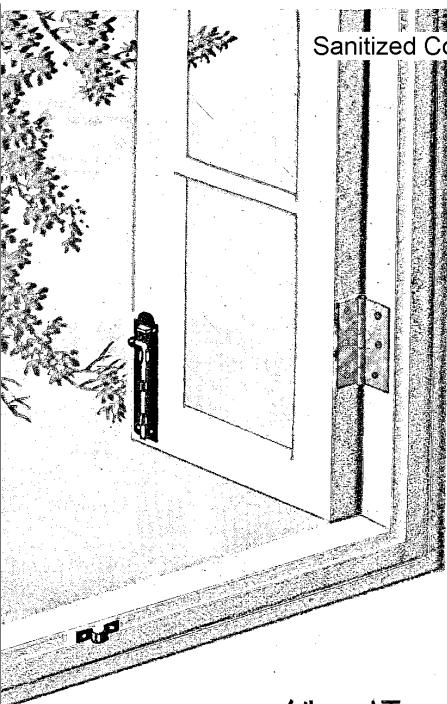
Specification	Contents per case	Measurement (unit:cm)			Weight per case (unit: Kg)	
		L	W	H	Gross	Net
3 "	50 prs	48	31	31	56	47
4 "	50 ,,	50	36	33	75	66
5 "	40 ,,	54	42	30	87	77
6 "	25 ,,	53	27	37	76	67
7 "	20 ,,	57	32	45	111	100
8 "	10 ,,	53	35	36	86	76
10 "	10 ,,	56	41	34	115	103

中國製造
MADE IN CHINA

Iron Hinges & Tower Bolts



CHINA NATIONAL SUNDRIES EXPORT CORPORATION 



铁铰链·铁插肖

铁 铰 链 IRON HINGES

規 格 Specification	單 位 Unit	包 裝 Packing	
		每箱打数 Doz. Pairs per Case	重 量 (公斤) Gross Weight (Kilos)
1'	对打Pair Doz.	200	45
1 1/2'	"	100	41
2'	"	50	39
2 1/2'	"	40	42
3'	"	30	46
3 1/2'	"	20	51
4'	"	10	42
5'	"	5	36

铁 插 肖

規 格	三、四、五、六、八、十、十二吋、 黑 漆 板 磨 光 肖 挺、
包 裝	三—六 吋 每打一百打、 八—十二吋 每打四十打、

IRON TOWER BOLTS

Specification: 3" 4" 5" 6" 8" 10" 12"
Black Japanned Plate
and Polished Bolts

Packing: 3"-6" 100 Carton x 1 Doz. Per Wooden Case.
8"-12" 40

中國雜品出口公司

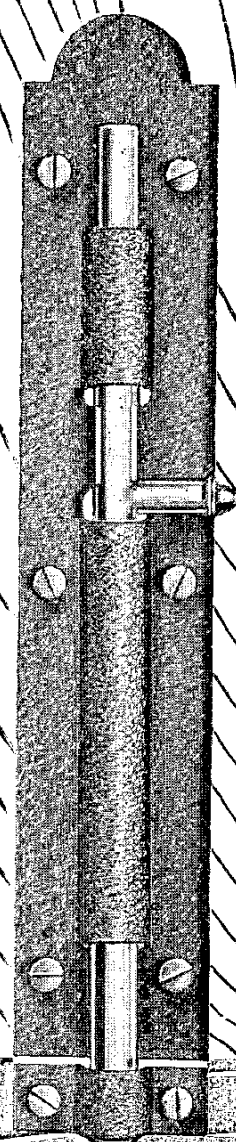
總公司：中國北京東四九條胡同(甲) 32 號。 電報掛號“SUNDRY”北京
分公司 中國天津大沽中路 114 號。 電報掛號“SUNDRY”天津

CHINA NATIONAL SUNDRIES EXPORT CORPORATION

HEAD OFFICE: 32/A CHIUTIAO HUTUNG EAST CITY, PEKING, CHINA. CABLE ADDRESS: "SUNDRY" PEKING
BRANCH OFFICE: 114 TAKU ROAD C. TIENTSIN, CHINA. CABLE ADDRESS: "SUNDRY" TIENTSIN

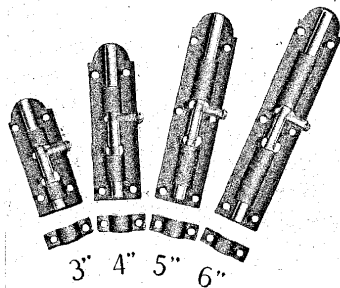
鐵插肖

IRON
TOWER
BOLTS



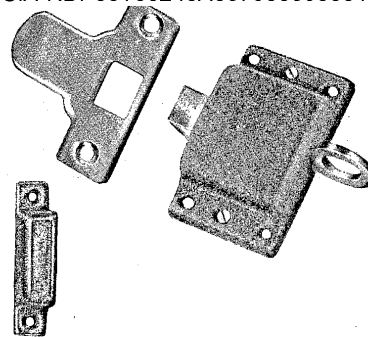
中國雜品出口公司
CHINA NATIONAL SUNDRIES EXPORT CORPORATION

C Type



C Type (in one Black Japanned Plate)

Length	Diameter of Bolt (mm)	Width of Plate (mm)	No. of Screw Holes	Size of Screw No.
3"	7.14	31.15	4	5
4"	7.14	31.15	4	5
5"	7.14	31.15	6	5
6"	7.14	31.15	6	5

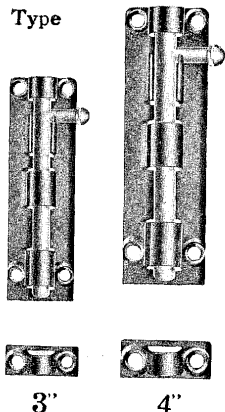


TRANSOM CATCHES

Transom Catches in the usual size of 2½", designed for use in turning sash, are made of iron plate, finished in black. They are equipped with chromium plated spring bolt and a loop for fastening string. Each catch is supplied with only one strike, i.e. either one inward or one outward strike to be decided at the time of order. The size of screws for the catch is No. 5.

IRON TOWER BOLTS

J Type

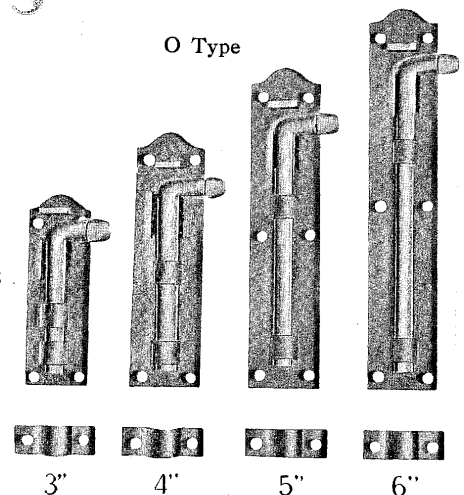


J Type (in one Black Japanned Plate)

Length	Diameter of Bolt (mm)	Width of Plate (mm)	No. of Screw Holes	Size of Screw No.
3"	7.94	30	4	5
4"	7.94	30	4	5
5"	7.94	30	6	5
6"	7.94	30	6	5

Length	3"	4"	5"	6"
Diameter of Bolt (mm)	7.14	7.14	7.14	7.14
Width of Plate (mm)	25.4	28.58	28.58	28.58
No. of Screw Holes	4	4	6	6
Size of Screw No.	5	5	5	5

O Type



PACKING

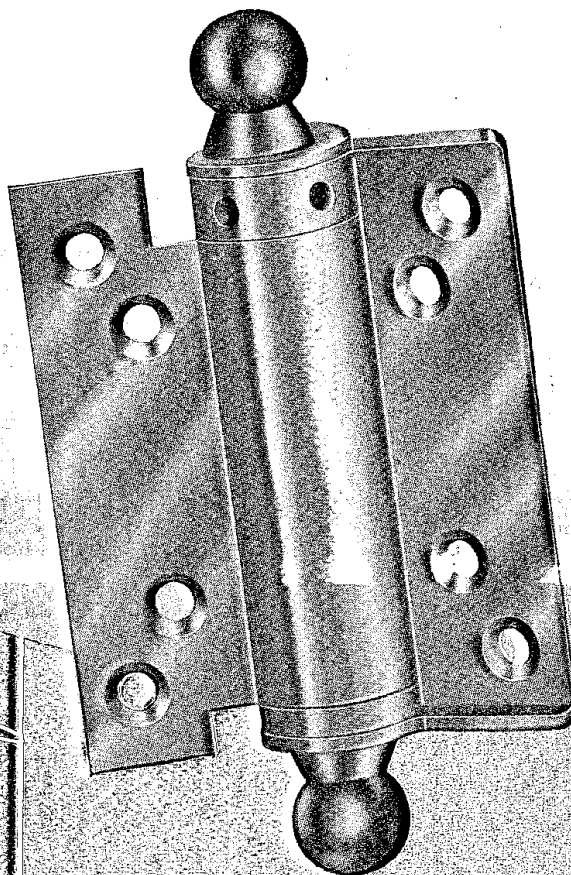
Name of Article	Specifica- tion	Contents per case (doz)	Measurements of case (cm.)			Weight (kg.)	
			length	width	height	gross	net
Iron Tower Bolts (O Type)	3"	100	42	48	33'	84	75
	4"	100	52	48	35	102	91
	5"	100	61	48	35	126	113
	6"	100	71	49	35	145	131
Transom Catches	2½"	50	68	30	44	72	62
Iron Tower Bolts (C & J Types)	3"	100	55½	47	34	75	65
	4"	100	56	57	34	98	86
	5"	100	61	48½	34	124	112
	6"	100	76	56	34	140	125

N. B. The length of wood screws used for the above three relevant articles depends upon the thickness of the wood on which the relative articles are to be screwed. The above are all supplied without screws.

CHINA NATIONAL SUNDRIES EXPORT CORPORATION
Head Office 32 A Chiu Tiao Hutung, East City, Peking China
 Cable Address: "SUNDRY" Peking
Shanghai Branch 27 Chung Shan Road E1, Shanghai, China
 Cable Address: "SUNDRY" Shanghai

25X1

單彈簧鉸鏈



HERO BRAND

SPRING HINGES

SINGLE ACTION

MADE IN CHINA

HERO BRAND

SPRING HINGES SINGLE ACTION

The "Spring Hinges, Single Action," used for right and left hand doors, are made of fine quality and highly practicable for general use. They will give satisfaction to you after application of them.

Each pair provided with screws.

PACKING

Specification	Contents per case	Measurement (unit: cm)			Weight per case (unit: Kg)	
		L	W	H	Gross	Net
3"	100 prs	56	31	30	56	48
4"	100,,	55	36	34	77	69
5"	50,,	51	24	41	58	51
6"	50,,	58	27	41	69	61
8"	20,,	56	34	33	86	77

for further informations write to:

CHINA NATIONAL SUNDRIES EXPORT CORPORATION

HEAD OFFICE: 32 (A) CHIU TIAO HUTUNG, EAST CITY, PEKING, CHINA

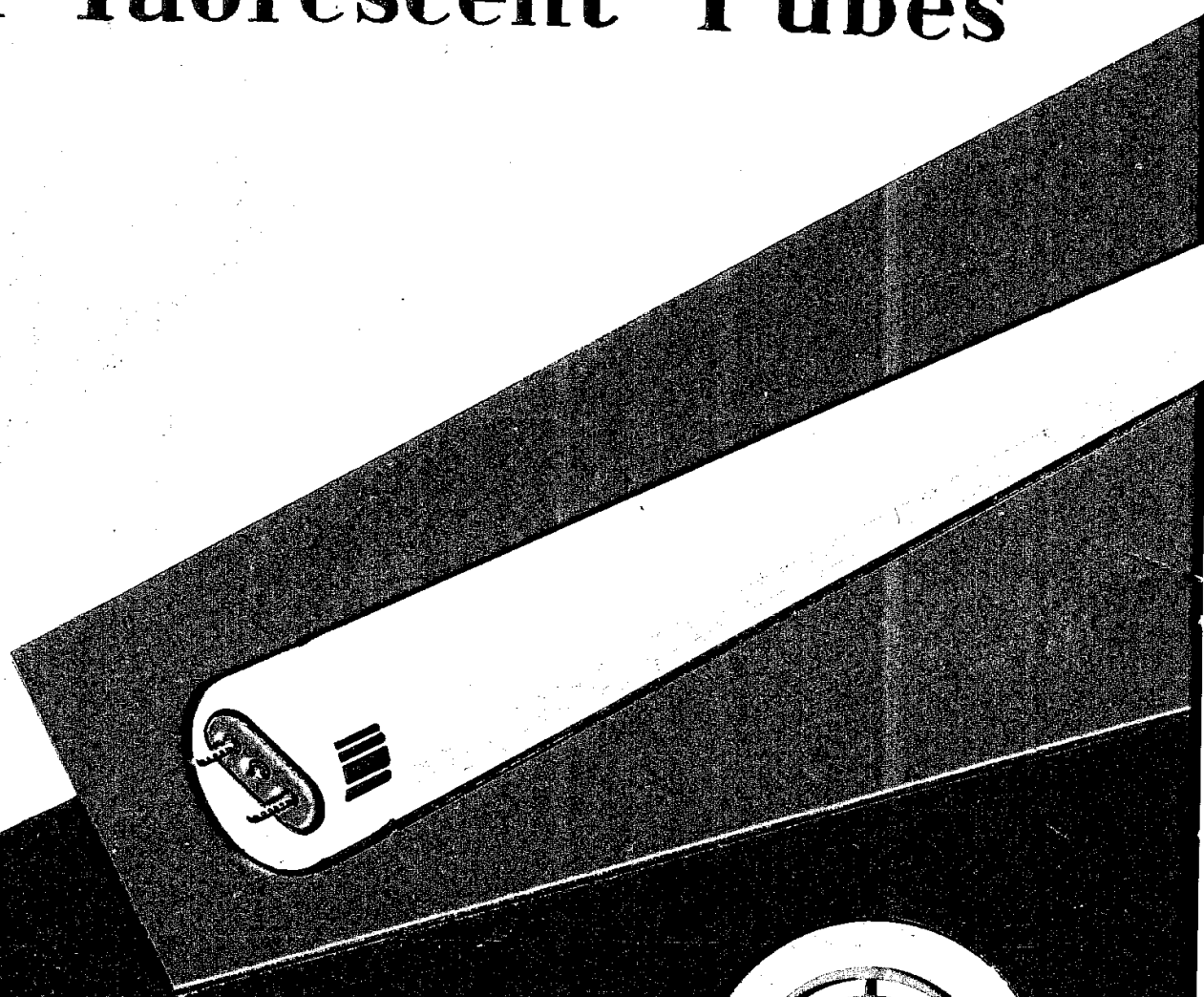
CABLE ADDRESS: "SUNDRY" PEKING

SHANGHAI BRANCH: 27 CHUNG SHAN ROAD E1, SHANGHAI, CHINA

CABLE ADDRESS: "SUNDRY" SHANGHAI

Electrician

Fluorescent Tubes



FLUORESCENT TUBE

Of the same kind of light, fluorescent tube provides a light cozier and mellower than ordinary lamps it is no doubt that it serves to-day as a favourite means of lighting.

The "Electrician" Fluorescent Tube is valued for its high efficiency and agreeable luminous effect, it gives you a cozy and cheerful atmosphere in low current consumption. So it is widely in demand in all places where an elaborate illumination is required.

TECHNICAL DATA OF "ELECTRICAN" TUBE

Con- sumption (watt)	Length (mm)	Diameter (mm)	Current (amp)	Voltage (volt)	Optimum Voltage (volt)	Colour	Average Life Hours
20	610=24"	38	0.36	59	110 or 220	Day-light, White, Green, Yellow.	2,000
40	1220=48"	38	0.42	106	110 or 220	Day-light, White, Green, Yellow.	2,000

PACKING

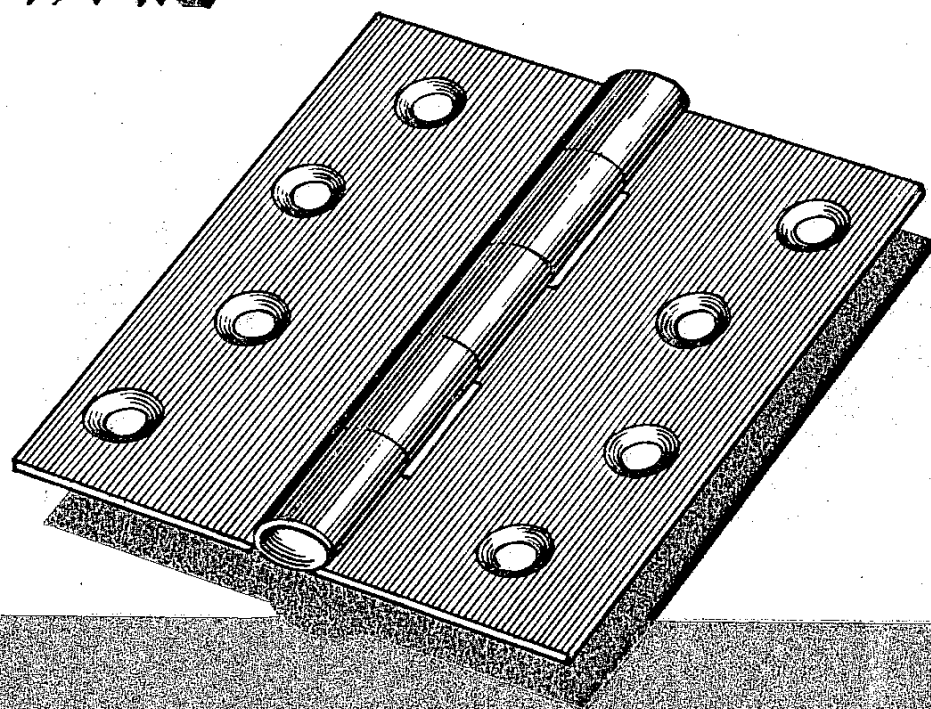
Specifica- tion	Contents per case (pc)	Measurements of case (in)	Volume of case (cu. ft)	Weight (kg)	
				Gross	Net
24"	50	29×20×11	3.70	23	11
48"	50	53×20×11	6.75	37	20

MADE IN CHINA

IRON Butts

鐵鉸鏈

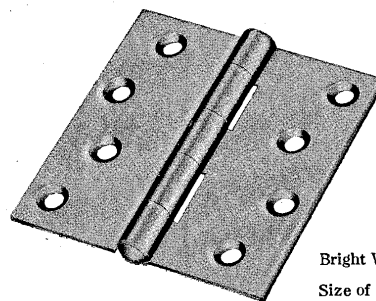
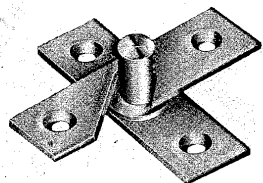
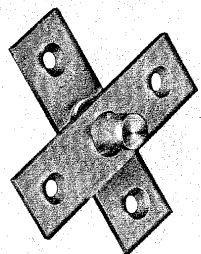
(HINGES)



中國雜品出口公司
CHINA NATIONAL SUNDRIES EXPORT CORPORATION

Sash Pivots

Length	2"	2½"	3"	3½"	4"
Width	¾"	¾"	¾"	¾"	¾"
Size of Screw No.	6	6	7	7	7
No. of Screw Holes	4	4	4	4	4

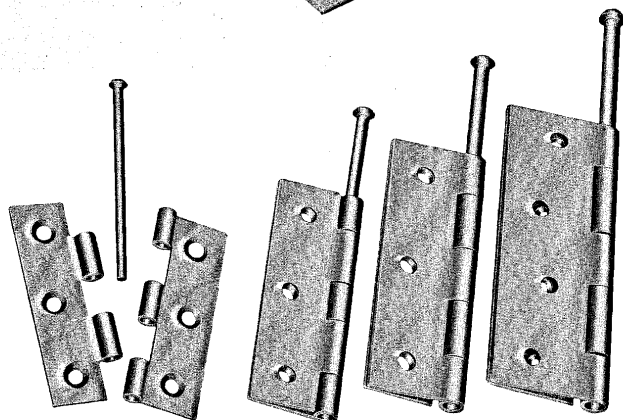


Bright Wrought Iron Square Butts: 3" square 4" square

Size of Screw No.	9	12
No. of Screw Holes	6	8

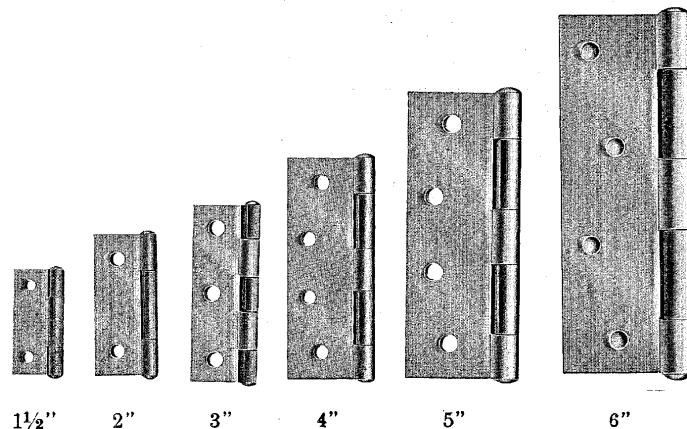
Bright Wrought Iron Heavy Narrow Butts with Fast Pin

Length	1½"	2"	2½"	3"	3½"	4"	5"	6"
Width	32mm	40mm	42mm	50mm	55mm	73mm	83mm	103mm
No. of Screw Holes	4	4	6	6	6	8	8	8
Size of Screw No.	5	6	6	7	8	9	10	10



Bright Wrought Iron Narrow Butts with Loose Pin

Length	2½"	3"	3½"	4"
Width	42mm	50mm	55mm	73mm
No. of Screw Holes	6	6	6	8
Size of Screw No.	6	7	8	9

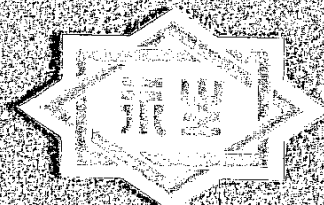


HEAVY NARROW BUTTS

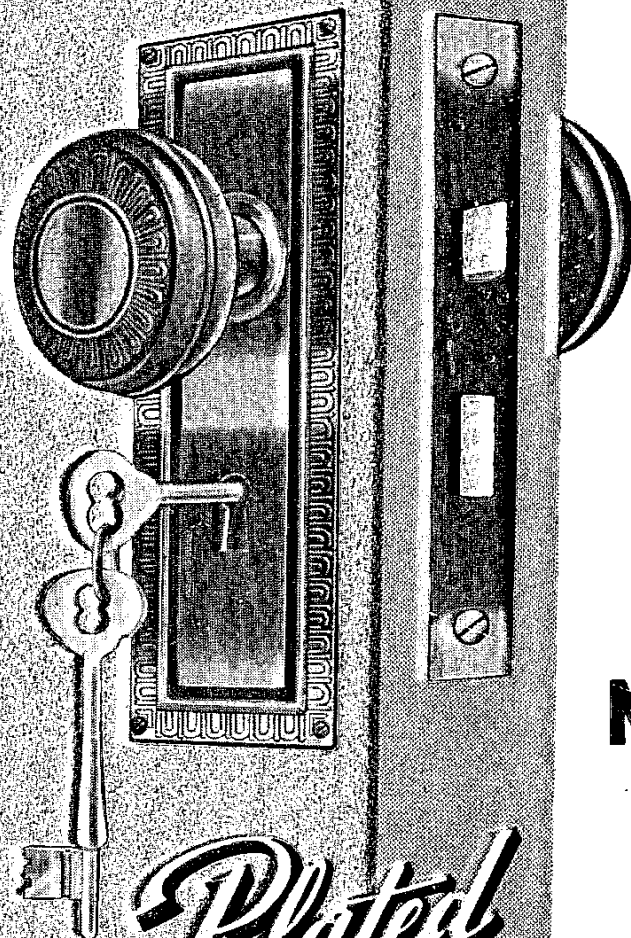
SPECIFICATION	CONTENTS		MEASUREMENTS OF CASE (CM.)			WEIGHT OF CASE (KG.)	
	PER CASE	UNIT	LENGTH	WIDTH	HEIGHT	GROSS	NET
2"	100	dozen	56	30	21	68	62
2½"	75	"	60	25	22	82	76
3"	50	"	49	30	25	88	82
3½"	30	"	49	27	28	75	68
4"	20	"	51	27	23	75	70
SASH PIVOTS							
2"	500	pairs	63	27	27	55	50
2½"	500	"	58	34	27	66	60
3"	500	"	55	25	35	80	73
3½"	500	"	57	27	35	91	83
4"	500	"	68	29	35	105	95
SQUARE BUTTS							
3"	20	dozen	62	31	18	69	64
4"	10	"	55	24	28	72	67
NARROW BUTTS							
2½"	75	dozen	60	28	22	82½	76½
3"	50	"	49	30½	25	88	82
3½"	30	"	49	27	28	75	68
4"	20	"	51	27	23	75	70

N.B. The length of the wood screw required depends upon the thickness of the wood on which the above butts are to be screwed. The butts are supplied without screws.

YUNG SUN BRANT



古銅牌鎖



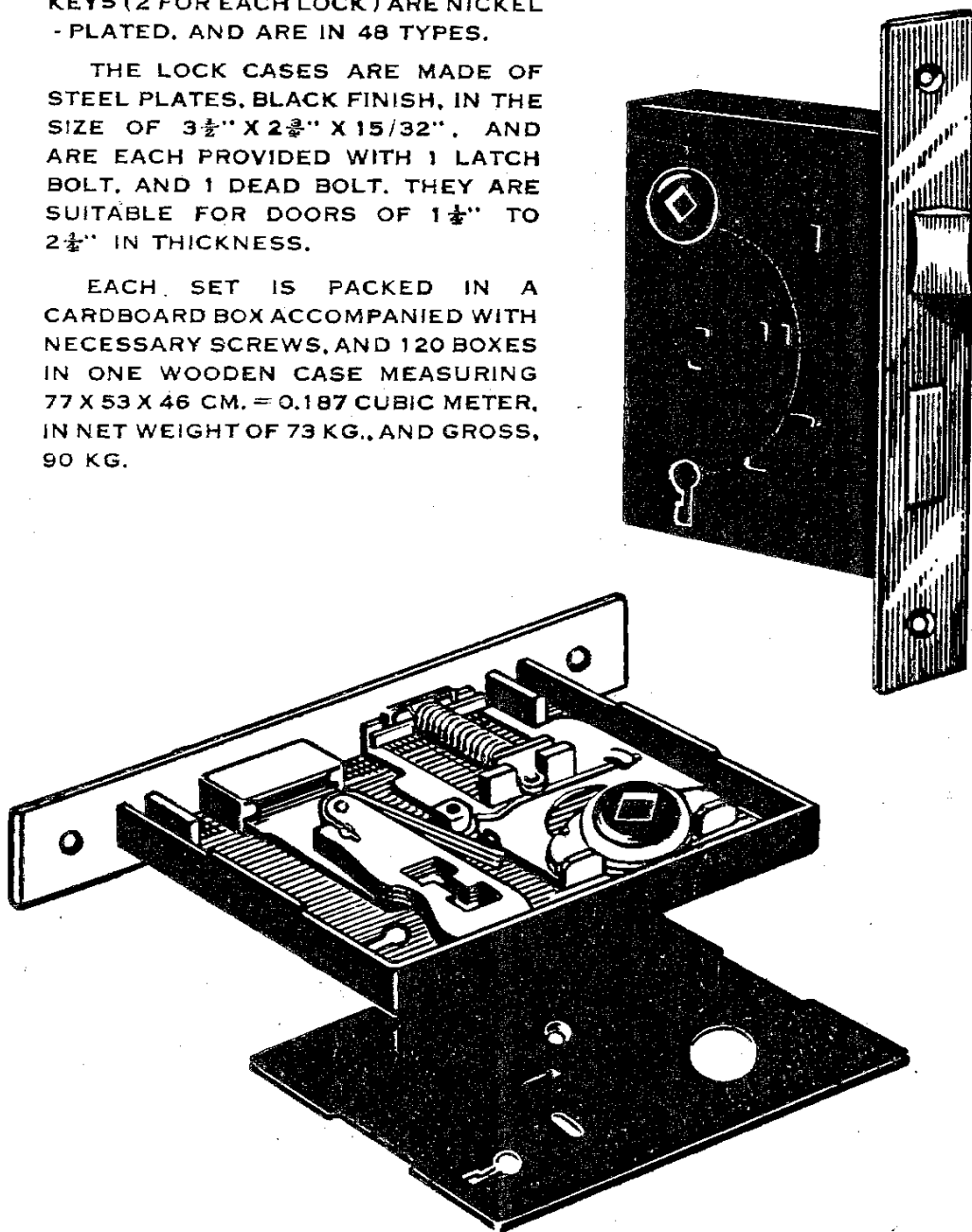
NO.208

*Bronze Plated
Inside Door Locks*

THE DOOR LOCKS OF "YUNG SUN" BRAND NO. 208 POSSESS A SHINING LUSTER, AS ALL THEIR EXTERIOR PARTS ARE BRONZE-PLATED. THE KEYS (2 FOR EACH LOCK) ARE NICKEL-PLATED, AND ARE IN 48 TYPES.

THE LOCK CASES ARE MADE OF STEEL PLATES, BLACK FINISH, IN THE SIZE OF $3\frac{1}{2}$ " X $2\frac{3}{8}$ " X $15/32$ ", AND ARE EACH PROVIDED WITH 1 LATCH BOLT, AND 1 DEAD BOLT. THEY ARE SUITABLE FOR DOORS OF $1\frac{1}{2}$ " TO $2\frac{1}{4}$ " IN THICKNESS.

EACH SET IS PACKED IN A CARDBOARD BOX ACCOMPANIED WITH NECESSARY SCREWS, AND 120 BOXES IN ONE WOODEN CASE MEASURING 77 X 53 X 46 CM. = 0.187 CUBIC METER, IN NET WEIGHT OF 73 KG., AND GROSS, 90 KG.



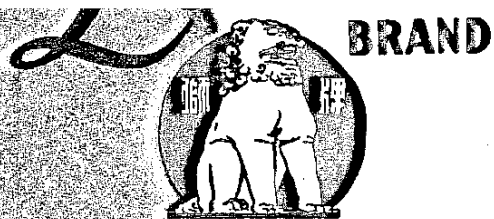
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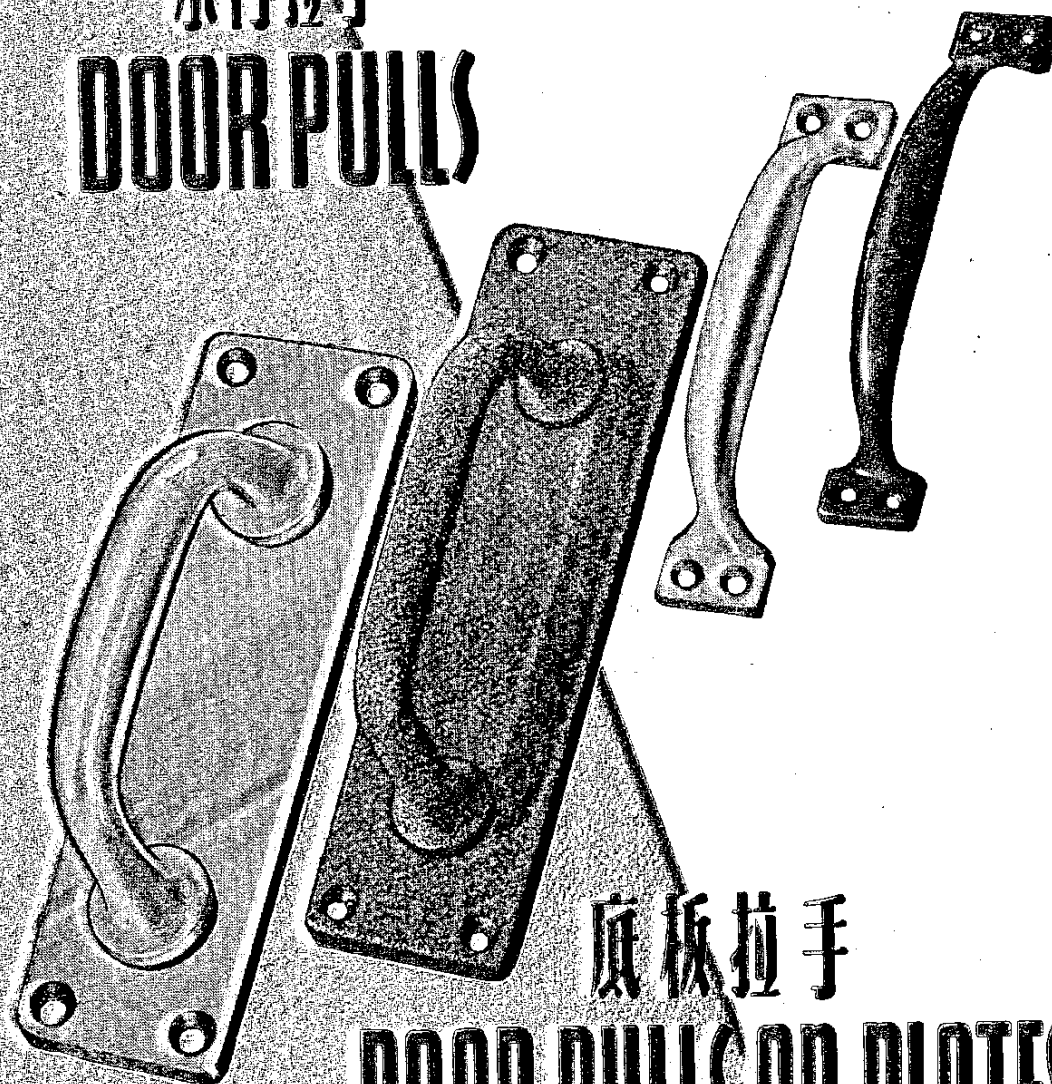
CABLE ADDRESS: "SUNDRY" PEKING

SHANGHAI BRANCH: 27 CHUNG SHAN ROAD E1, SHANGHAI, CHINA

CABLE ADDRESS: "SUNDRY" SHANGHAI



小門拉手
DOOR PULLS



底板拉手
DOOR PULLS ON PLATES
for use on doors of various sizes

中國雜品出口公司
CHINA NATIONAL SUNDRIES EXPORT CORPORATION

P A C K I N G

Specification	Contents	Measurement in cm.			Weight in kg.	
	Per Case	L	M	H	Gross	Net
生鉄鍍底板拉手 Cast Iron Pulls Chrome Plates						
6"	50 Pairs	40	36	28	44	36
8"	50 ,,	50	36	31	56	46.5
10"	50 ,,	61	39	35	77	64.5
12"	50 ,,	70	40	36	92.5	78.5
烘漆底板拉手 Pulls with Plates black Japanned						
6"	100 Pairs	56	39	36	42	32.5
8"	50 ,,	58	28	39	35	27
10"	50 ,,	63	48	38	62	52
12"	50 ,,	70	48	39	73	61
生鉄小拉手 Cast Iron Door Pulls (Chrome or black Japanned)						
3"	100 doz.	48	26	29	21	17
4"	50 ,,	62	20	33	20	15
5"	50 ,,	75	25	38	31	24
6"	50 ,,	87	27	45	50	40
小拉手 Door Pulls (Chrome or black Japanned)						
4"	50 doz.	57	37	26	49	40
5"	50 ,,	59	31	40	73	62
6"	50 ,,	65	37	39	89	76

CHINA NATIONAL SUNDRIES EXPORT CORPORATION

Head Office 32 A Chiu Tiao Hutung, East City, Peking, China

Cable Address: "SUNDRY" Peking

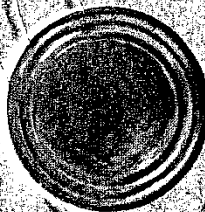
Shanghai Branch 27 Chung Shan Road E1, Shanghai, China

Cable Address: "SUNDRY" Shanghai

利用門鎖

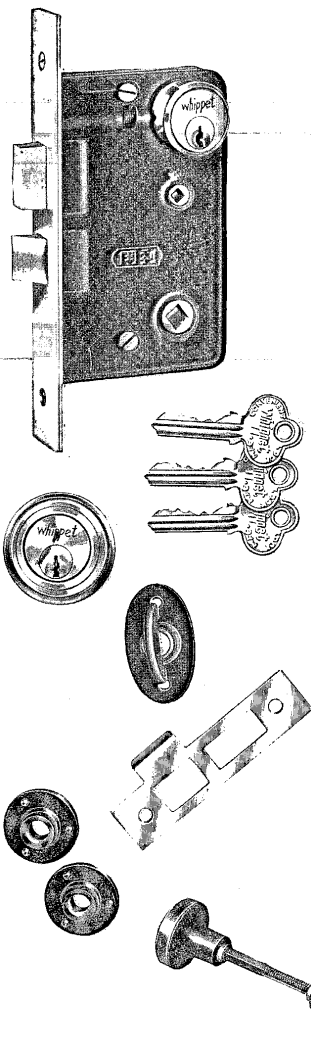


whippet DOOR LOCKS



MADE IN CHINA

3676255



whippet

No. 276

(for inside or outside doors of $1\frac{1}{2}$ " to 2" in thickness)

Cylinder & Keys:

Brass, 5 pin-tumbler with 3 Keys.

Case:

Iron, black finish, $5\frac{1}{8}" \times 2\frac{3}{8}" \times \frac{3}{4}"$ fitted with 1 strike.

Front & Knobs:

Front, strongly constructed. 1 Spindle Knob & 1 Thumb Knob (both made of bakelite).

Bolts:

1 Latch & 1 Dead Bolt.

Packed:

1 to a cardboard box with Screws & fitting instructions.

**DOOR
LOCKS**

No. 257

(for inside doors of $1\frac{1}{2}"$ to 2" in thickness)

Cylinder & Keys:

Brass, 5 pin-tumbler with 3 Keys.

Case:

Iron, black finish, $4\frac{1}{8}" \times 3\frac{3}{4}" \times \frac{3}{4}"$ fitted with 1 strike.

Front & Knob:

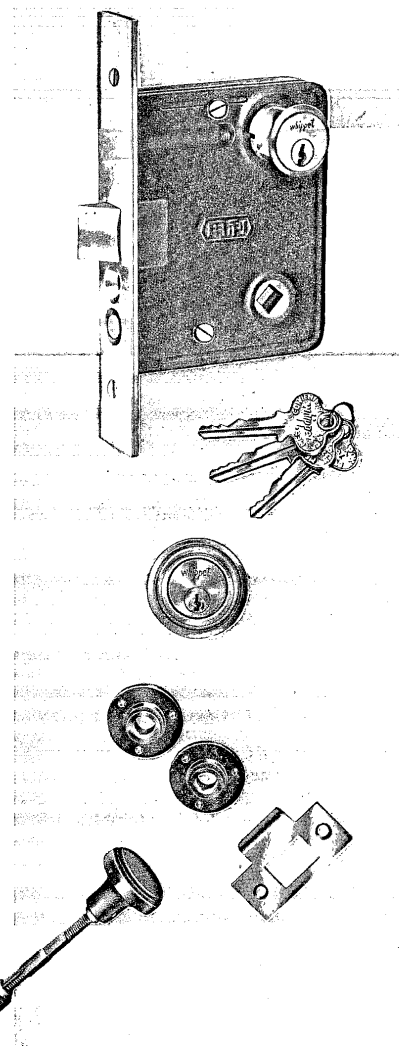
Front, strongly constructed. Spindle Knob made of bakelite.

Bolt & Buttons:

1 Latch Bolt. 2 Push Buttons (when the upper button is pushed in, the spindle knob becomes unturnable and the lock can only be opened with the key provided. But when the lower button is pushed in, the upper one is automatically set back to its original position and the spindle knob turns as usual.

Packed:

1 to a cardboard box with Screws & fitting instructions.



No.	Contents per case (doz)	Measurements of case (cm.)			Weight (kg.)	
		length	width	height	gross	net
257	5	63	48	47	92	78
276	5	64	50	55	101	85

CHINA NATIONAL SUNDRIES EXPORT CORPORATION

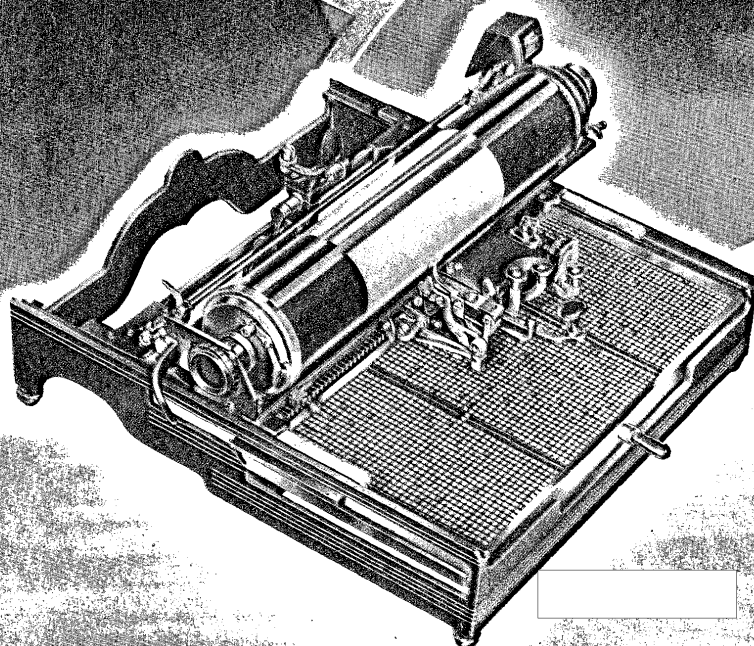
HEAD OFFICE: 32 (A) CHIU TIAO HUTUNG, EAST CITY, PEKING, CHINA

CABLE ADDRESS: "SUNDRY" PEKING

SHANGHAI BRANCH: 27 CHUNG SHAN ROAD ET, SHANGHAI, CHINA

CABLE ADDRESS: "SUNDRY" SHANGHAI

萬能式中文打字机



25X1

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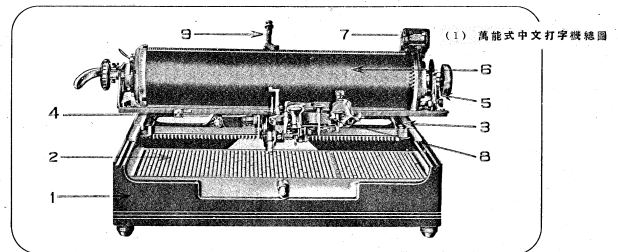
內 容 介 紹

萬能式中文打字機是目前流行的一種中文打字機，打出的文件有整齊、美觀、清楚、快速的特點，是代辦商務的文化利器。

本書內附有圖解和文字說明，各主要部份的名稱、效用、使用方法等，以供參考。圖中有少數部份機件與各廠設在產品之形式略有不同，但它的效用是一樣的，今後當逐步予以統一。

圖中所注的號碼：機字是指機件的號碼；機架白字如●係說明之號碼；美國製造商需要加蓋的標記。機件圖號和機件名稱是依據上海市打字機器製造工廠統一標準。

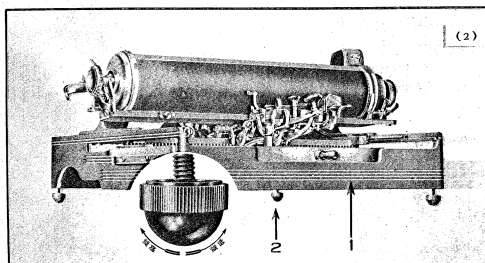
一九五六年六月再版



九 部 份 名 稱	1	2	3	4	5	6	7	8	9
	機 架	字 盤	拖 板	機 身	滾 筒 架	滾 筒	直 格	橫 格	劃 綫 器

說 明：

萬能式中文打字機分爲九個部份：機架爲機件之基座，字盤用以裝排字，拖板是機身運轉的，機身上裝有打字基本動作的主要機件，滾筒架連接於機身上，架上有滾筒，以備裝卸紙張，直格專司劃直行，橫格可左右橫打，二省器是推動機件運轉的，劃綫器是一件附屬裝置。



(2) 機架調節水平圖

說明：

機架是生鐵鑄成，如單重太寬闊，每易傾倒。裝印時應力爲了生鐵的不易加工。爲此，在裝印時應特別注意機架平定，搬運時必須輕放，以免損壞。搬運時應注意機架平定，搬運時應注意機架平定，搬運時應注意機架平定。

放置機架，首先要注意是否水平，如因四邊高低不等，致有傾斜現象，可照圖裝機架，調節水平。要測驗機架是否水平，可推動機架，推到中途放手，機身沒有向任何一方滑動的現象，機架平定，便得較快。

號次	機件編號	機件名稱
1	1/0-1	機架
2	1/0-3	機架

號次	機件編號	機件名稱
1	1/0-7	機架彈子盤
2	2/0-6	字盤開刀軌
3	2/0-9	字盤橫推手柄
4	2/0-1	字盤橫前鐵板
5	2/0-2	字盤橫後鐵板
6	2/0-3	字盤橫左鐵板
7	2/0-4	字盤橫右鐵板
8	2/0-12	字盤
9	3/0-14	大開刀牙齒
10	3/0-14-2	大開刀牙齒角尺板
11	3/0-14-5	大開刀牙齒角尺板轉軸

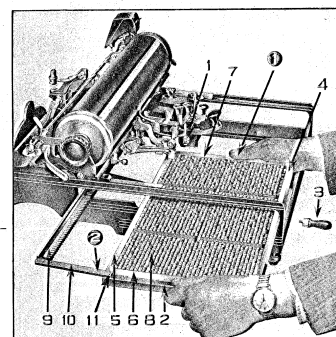
說明：

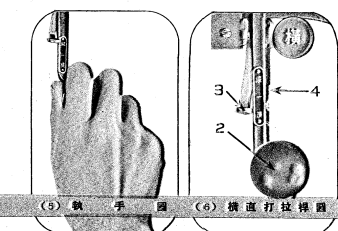
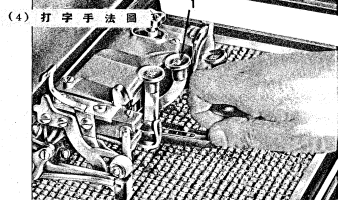
①字盤的結構以前後左右四部鐵板包圍而成。裝印字盤時要在機架彈子盤和轉軸上自右向左平直移動，可免損壞字盤。

②大開刀牙齒角尺板送入字盤開刀軌中後，旋上字盤推字軸。

③字盤係由鐵片編成，當鋼字體放入字盤時，不可推動字盤或機身，否則，易使字盤鐵片鬆動彎曲。

(3) 字盤和大開刀牙齒裝卸圖





說明：

①執筆法：用食指前後橫拉；左移用中指；右移用食指；兩指前三指並用。這種打字手法及握筆力而易掌握。

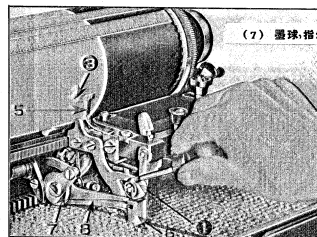
②橫直打拉桿作用：

拉桿拉在「橫」字邊，打字就走橫格；拉桿拉在「直」字邊，打字就走直格；拉桿拉在中線邊，打字時橫直都不走格，但可全打。如先打（），再打（），就成（）。

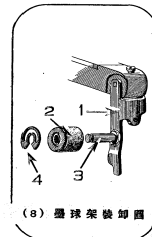
注意：拉動拉桿要注意不可按壓左手桿柄，避免把拉桿拉到機件運動板（見圖41）後部下面，妨礙打字。

③直打空格：可按機件，提一下，就是空一個字間，需要空自多少字間，就提多少次。

號次	機件編號	機件名稱
1	4/4-16	縱 鈕
2	4/4-7	撤 手 桿 柄
3	4/4-12	橫 直 打 拉 桿
4	4/4-1-7	橫 直 小 牌 子



(7) 墨球、指示標針圖



(8) 墨球架裝卸圖

說明：

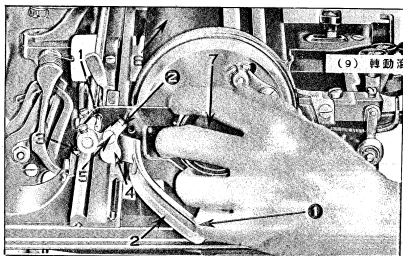
①墨球上需要均勻適量。

②墨球使用日久，就要凹損，影響打字上和顏色。換裝墨球用銷子向上拉去墨球夾，就可進行裝卸。

③指示標針的用途：上端方塊用來校正字位；桿上的線條，可運用它來測知字行間距。

注意：字縫方孔是卡住鋼字的所在，很容易積聚污垢，妨礙鋼字上下，因此要經常用布條穿入方孔擦拭乾淨。

號次	機件編號	機件名稱
1	4/10-1	墨 球 架
2	4/10-5	墨 球
3	4/10-6	墨 球 軸
4	4/10-7	墨 球 夾
5	4/9-1	指 示 標 針
6	4/8-1-1	字 鈕
7	4/8-6	字 鈕 挑 子 板
8	4/8-7	字 鈕 卡 字 桿

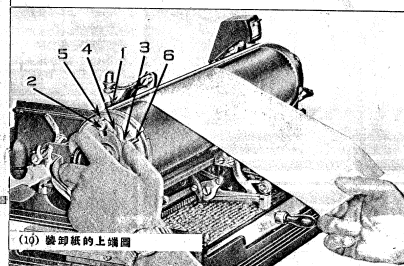


(9) 轉動滾筒及直離格圖

說明：

- ①用左手小指按下直離格器把手，使直離格曲輪脫離滾筒大齒輪，（名直離格）同時除指即可旋轉滾筒，進行翻紙等工作。
- ②需要更換直離格時如翻直離格等，先給下直離格器把手，再撥小輪把，使接合在直離格器齒輪螺絲上。不需要時，仍給把手，小輪把就會自動脫離。
- 注意：直離格器齒輪螺絲是支持離格作用的機件，不能無故鬆動，否則直離格就要失去作用。

號次	機件編號	機件名稱
1	5/1—2	直離格器齒輪螺絲
2	5/9—1-3	直離格器把手
3	5/9—2	直離格器齒輪套筒支頭螺絲
4	5/9—3	直離格器小輪把
5	5/9—4	直離格器小輪把螺絲
6	6/1—1	滾筒
7	6/5—6	滾筒軸把手



(10) 裝卸紙的上端圖

說明：

- 裝卸紙的上端：
- ①給下滾手，上壓紙尺升起，同時紙皮就會自動彈出，按住滾手，以便後面紙張。
- ②拿紙尺到尺下間隙裏，推過紙皮後，滾手回原，上壓紙尺也彈下回原，夾牢紙的上端。
- ③收紙下端，旋轉滾筒，使下壓紙尺向上，再壓紙的下端。
- 注意：上壓紙尺升降得滾手套筒支頭螺絲是支持上壓紙尺升降的。為此，這螺絲是不可隨便加以拆動，否則，上壓紙尺就不能全部升起。

號次	機件編號	機件名稱
1	6/2—1	上壓紙尺
2	6/2—3	上壓紙尺升降桿
3	6/2—4	上壓紙尺升降桿放手
4	6/2—5	上壓紙尺升降桿放手套筒支頭螺絲
5	6/2—6	上壓紙尺升降桿放手套筒支頭螺絲
6	6/2—7	上壓紙尺升降桿放手頭皮檢

號次	機件編號	機件名稱
1	6/1-3	右門頭定位牙齒
2	6/3-4-4	下壓紙尺定位栓
3	6/3-1	下壓紙尺環圈
4	6/3-4	下壓紙尺

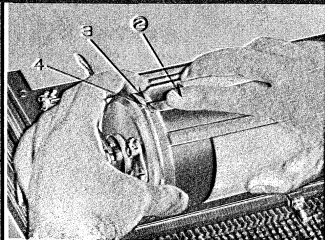
說明:

①拔卸紙的下端，用右手食指按住下壓紙尺左端，左手旋轉環圈，使下壓紙尺從環圈的口中伸出，就可使卸紙的下端。

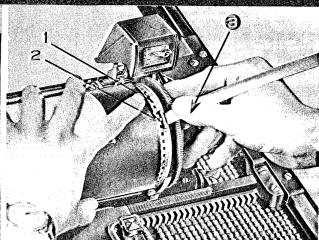
②注意下壓紙尺伸出時，應用手按佳，然後放開，如圖(12)與防彈微圖目。

③移動下壓紙尺來配合紙的長短，首先放鬆了微動盤，其次金那圖(11)手法，把下壓紙尺向右推動，迫使定位齒與定位牙齒，把紙端搬到所需地位而停止。然後使定位齒滑到定位牙齒裏，把尺壓牢紙的下端。

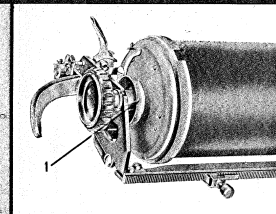
(12) 裝卸紙的下端圖



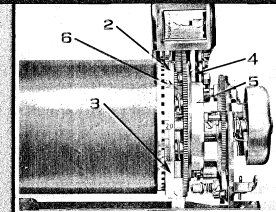
(11) 下壓紙尺移動圖



(13) 微動盤圖



(14) 微動的距離圖

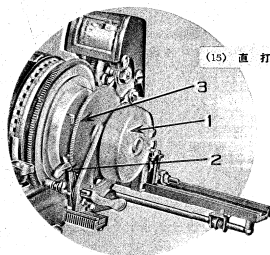


號次	機件編號	機件名稱
1	6/5-1-1	微動盤
2	6/3-2	直打刻度板
3	5/3-1	直打刻度板指針
4	6/4-1-1	滾筒大齒輪(100牙)
5	6/4-1-2	滾筒大齒輪導板
6	6/4-7	微動彈簧

說明:

要使滾筒向左右微動，可旋轉在滾筒左側的微動盤。微動盤的限度，約為一個漢字字面大小。微動到底時，不可過份拧紧，以免損壞機件。

進行微動操作，儘可能使滾筒停留在微動盤的中部，以便隨時可向左右作微動。橫打微動後，須注意縱使滾筒，不然會使各行參差不齊。

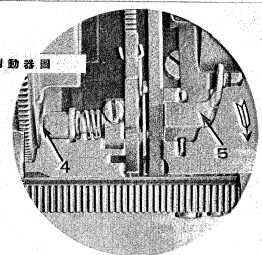


(15) 直打定位圖

號次	機件編號	機件名稱
1	5/8—6	鉗
2	5/7—1	直打定位撥牙
3	5/7—5	直打定位齒輪
4	5/8—1-1	直打鉗器鋼皮
5	5/8—2	橫打鉗器
6	5/8—3	打鉗彈簧
7	4/2—5	橫打鉗定位桿
8	4/2—10	橫打鉗活動定位器
9	4/2—13	定位器移動彈簧

號次	機件編號	機件名稱
1	5/10—3	直打倒順板手
2	5/9—5	直打倒順桿
3	5/9—6	直打倒順桿移動墊塊
4	5/6—2	直打制動器磁皮
5	5/6—4	直打制動器板手

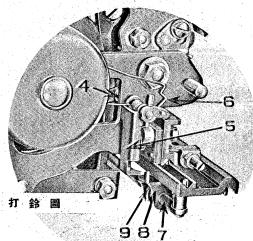
(16) 直打制動器圖

**說明：**

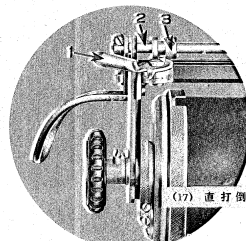
直打定位：旋轉滾筒到所要打字的位置，順滾筒到不能再從停止。或者按定位撥牙，同時逆轉滾筒到所要打字的位置，放手使撥牙咬合，也可定位。

既經定位，換行時，只要逆轉滾筒到不能再轉，各行即可平列一致。

直橫打鉗：直打鉗是隨下壓紙尺移動而變更，在一行將要到底時，發出鈴聲，響後加再繼續打字。橫打鉗係由活動定位彈簧及橫打鉗桿而響。活動定位彈簧是隨直打鉗的位置而加以移動。方法用手能向上推壓移動彈簧，即可左右移動。



(16) 直橫打鉗圖



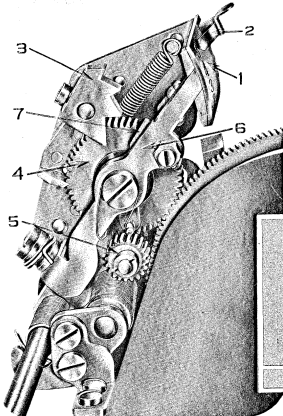
(17) 直打倒順板手圖

說明：

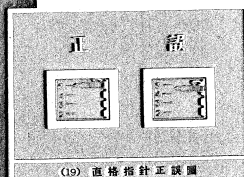
直打倒順板手板在「關」字時，可從上而下的壓打，板在「倒」字時，自下而上的壓打，如板在倒順之間，板既不能壓打，也不能倒打。須把它扳平，直條才能走條。

利用直打制動器滾筒滾動大齒輪，同時彈簧住了直條輪齒（見圖9說明）可使滾筒停在任何一點上，以便進行對橫條打字在橫條的中間等工作。使用時，把圖18箭頭方向直打制動器的板手，往後便滾動大齒輪，發生制止滾筒轉動作用。因板手平，直條就脫離，作用也失效。

(20) 直格卸除罩壳圖



號次	機件編號	機件名稱
1	7/2-1-2	直格分格面板
2	7/4-1	直格撥針
3	7/4-3	直格分格板
4	7/5-1	直格56牙齒輪
5	7/6-7	直格20牙齒輪
6	7/7-1	直格走格控制架
7	7/7-4	直格走格控制架副爪



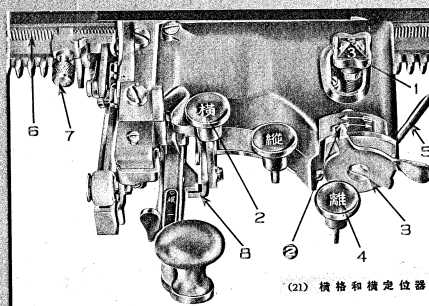
(19) 直格指針正誤圖

說明:

①直格分格 有2 3 4 5四種,要定直打手開和橫打行間的格數,可把直格撥針裝到指定位置。裝時請向通份向左右,也不可將撥針停留在兩齒之間,見圖(19)。否則,直格就要走格不準,甚至不走格。

②直格加油 必先盤去罩壳螺絲,卸下罩壳。在各制螺絲和摩擦部分,加少量機油。裝上罩壳時,必須注意罩壳在分格面板上的位置,更不須觀察撥針。

③直格分格就是規定直格走格的順序,如果有了變數,控制架副爪彈簧時,就不能夠恰巧切到所需要的牙齒,走格就要發生障礙。



(21) 橫格和橫定位器圖

號次	機件編號	機件名稱
1	8/7-1	橫格分格盤
2	8/11-1	橫格盤
3	8/14-1	橫打左右撥針
4	8/15-1	離盤
5	8/15-4	離盤小栓把
6	5/2-1	百腳牙齒軌
7	附屬機件	橫打定位器
8	8/12-1	橫格推動板

說明:

①橫格分格有2 3 4 5四種,可從分格盤來確定。如圖示分格盤的位置是定橫打三格字間,也就是直打三格行間。

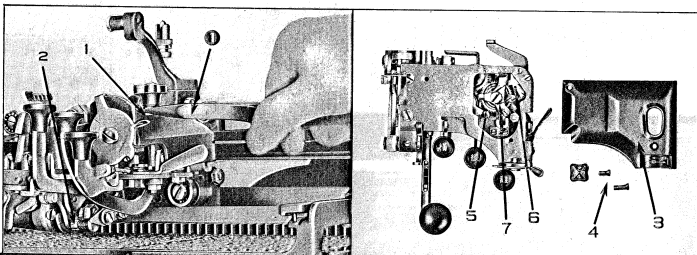
②橫打定向可從橫打左右撥針,指向左,向右橫打,指向右,向內橫打。若得不足,橫格不走格。

③移動橫格,按下橫格彈簧(右側彈簧)使橫格齒輪與牙齒咬合,即可移動橫格。進行如下調整及觀察等動作。需事先使橫格歸位時,先使橫格,再從小栓把向內,使它搭合在離盤螺絲釘上,就可移動橫格。不需更時,仍據彈簧,小栓把就會自動復原。

④橫打空格可從橫格,按一下,空一個字間距離。

橫打橫行,單行橫打,定行間距離,參照圖(18)說明。

⑤橫打定位,從總橫打定位器彈簧,裝到百腳牙齒上實際所需的位置,旋緊螺絲,使總橫打和機身接觸的位置固定起來,橫打每行起首便得一致。



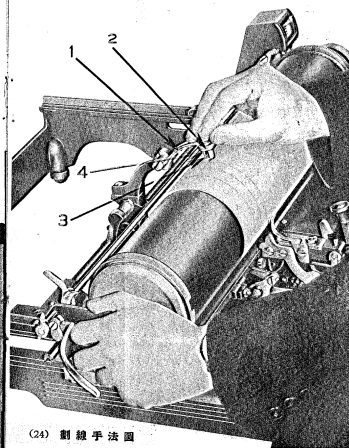
(22) 橫格罩先裝卸圖

(23) 橫格卸除罩壳圖

號次	機件編號	機件名稱
1	8/7—2	橫格分格螺絲帽
2	8/13—7	橫格小開刀轉輪
3	8/1—1	橫格罩壳
4	8/1—2	橫格罩壳螺絲
5	8/5—1	橫格第二88牙齒輪
6	8/8—1	橫格撐牙
7	8/9—1	橫格走格控制架

說明:

橫格罩壳卸法 ①先要鬆開分格下面的螺絲帽。
 ②取下分格鈕。
 ③按圖23，使橫打左右指針可以放到罩壳的右外側。
 ④取出二只罩壳螺絲，拿下罩壳。
 橫格罩壳裝法 ⑤將罩壳蓋上去，旋緊螺絲時，要注意左短右長。
 ⑥把分格鈕裝上，其位置必須和裝下時相符合，然後把螺絲帽向上和分格鈕鎖緊。
 ⑦最後使橫打左右指針恢復原狀。
 注意：橫格罩中機件進入機皮和紙層等，以免妨礙齒輪運轉。



(24) 劃線手法圖

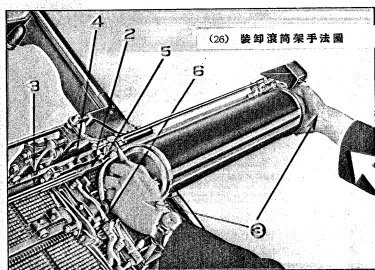
說明:

①劃線之前，應將原條上蓋，脫落到劃線器轉輪上的密鎖部，見圖24。機紙上劃線時不需用。
 ②劃直線，先將轉輪旋成90度垂直，再定住直線格條。照圖示方式，左手旋轉放線，右手按下劃線器轉輪，即可劃直線。劃直線時將轉輪旋90度成橫，定住橫格條後，再以左手移動放線，右手按下劃線器轉輪。
 按圖轉輪的鬆緊，以能劃出線條而不破紙為度。並須注意紙與平直原點和轉輪的靈活。
 ③劃雙線，劃線器轉輪是圓心的（單邊）不為劃直線雙線，只要將轉輪旋轉180度來再劃一次，便成雙線。



(25) 劃雙線圖

號次	機件編號	機件名稱
1	9/0—3	劃線桿
2	9/0—7-1	劃線器轉輪座
3	9/0—7-2	劃線器轉輪
4	9/0—9	劃線墨條



說明:

裝卸滾筒架的步驟:

①把彈子箱彈子彈 29 放在兩面三角槽軌的右邊。

②先往後推彈子。

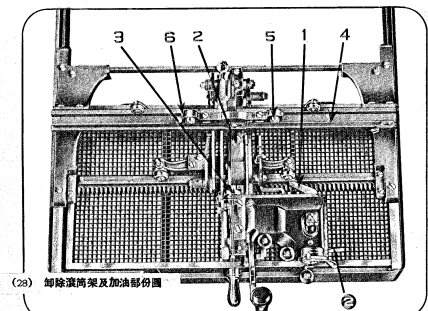
③雙手同時放彈子，放在滾筒架後軌偏心彈子發出的右邊。見圖 26，必須要把上下兩條三角槽軌平行對正，而後並放在彈子箱上。這時要注意彈子箱切勿使歪斜。

④照圖 27 手法，右手鉤起直打托桿，才可開始把滾筒架平直地從右向左推進過去；推到成來四一二次，使彈子箱不偏在一邊。推送到機身中部時要注意：前進的直打托桿就要推進在滾筒架彈子盤上；後邊的偏心彈子盤進入滾筒架後軌。

號次	機件編號	機件名稱
1	5/5—1	直打托桿
2	4/2—3	兩面三角槽軌彈子盤
3	4/2—1	兩面三角槽軌
4	4/3—1	滾筒架後軌偏心彈子盤
5	4/3—3	滾筒架後軌偏心彈子盤
6	4/1—3	滾筒架彈子盤

兩面三角槽軌
機身托架彈子盤
滾筒架彈子盤
大開刀牙齒及螺絲
大開刀牙齒及螺絲
頂針大螺絲
機身托架中軸

號次	機件編號	機件名稱
1	8/16—1	機打防止滑牙鉤
2	4/1—2-1	直打托桿螺絲
3	4/1—3	滾筒架彈子盤
4	4/2—3	兩面三角槽軌彈子盤
5	4/3—3	滾筒架後軌偏心彈子盤
6	4/3—4	滾筒架後軌偏心彈子盤及頂螺絲



說明:

拆卸滾筒架的步驟:

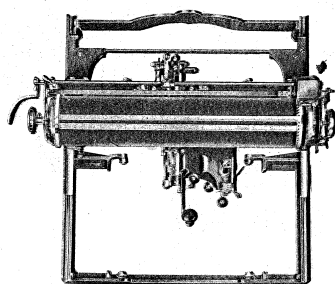
①按有圖定位置時，必先卸下。

②要定住機件螺絲。

③照圖 27 手法，用右手手指鉤起直打托桿。

④雙手托持滾筒架平直地向右推出。這時要緊防彈子箱內的彈子落掉。

加油說明見下頁。



(29) 卸除字盤加油圖

說明：

加油注意事項：

- ①在加油之前，首先用刷子清除滾筒、膠木和電機部份用乾布擦淨。
- ②細的彈簧如提格小鋼刀轉輪彈簧等，如果加上粘度大的油，反而會使彈性減弱。
- ③卡字桿和字盤方孔不可加油，讓字桿軸套與加油更少，前者要加碳油字上落，後者打字時要潤滑紙張。
- ④機油應選擇質純純的，不然失去潤滑作用，反使機件運轉遲滯。

直格各部份
橫格各部份
機架轉輪及軸
搬手桿後軸
搬手桿後軸
滾筒軸兩端
滾筒架後軸及各彈子盤
直格格把手部份

使用說明

打字手法 打字手法可分為：橫打、放回兩種動作：

1. 橫打動作分上下兩個半段。上半段包括調字上升，字面獲得墨油，字身開口被卡字桿卡住三點；下半段字鍵把調字舉起，打字紙上。上半段用力較輕，等到卡字面，動作要慢，穩步前進。一經調好，取出一張卡字面，以迅速而快目的。
2. 放回動作，在調字打上升後，要順勢收回搬手桿，使字鍵回下，鋼字落入字盤。同時還須注意：一、放鬆搬手桿時，要避免機身震動；二、字鍵回下時，切勿碰動字盤，以利運字，尤其在橫打時。

有些搬手桿較短的打字機，可以在紙盤再裝上一個後拍這樣能縮短的角度打字用力就可減輕，假太長的話也要影響機件結構打或誤時誤調字。

裝卸紙張 裝卸紙張時應注意：1. 裝紙的位置可把尺上的尺碼為依據。2. 紙的上下端必須對齊。3. 紙要平齊貼地機上紙筒。4. 下壓紙尺要壓在紙的末端。5. 卸下時要注意沾污紙張。

校正字位和定位 紙已裝妥後要校正字位，使字鍵卡字用手按紙接近紙面，以調斷字是否可以打在需要的位置。校正辦法，可讓紙成波動流過對，既經校正，就可參照圖 19、21 來進行機度的定位。

橫直定向 首先要確定文件進行還是橫打。要橫打的，再決定完橫打或者橫打。凡以紙下端距離為準的，各項下端須平齊的文件，都可採用橫打。定橫打的，則可依法確定向左或向右。然後把橫打的活動定位器移到實際需要的點點。後會計科目、表格、花邊等，則可運用倒順或左右來回打法，以求考慮進率。

文件排版 打字前，先要把文件計劃一下，究竟應該打幾行，每行打多少字。選擇考慮應怎樣安排，紙張的上下左右要空出多少地位，以及字行底腳定位在那裏等等設計，都是必要的。這樣不僅在工作上做好準備，而且可使文件打得更美觀和合式。

字表查字 字盤字按鍵使用分為常用、常用、常用，備用字就在備用字金裏的。兩者都附有字表，使用諸君持用法編排，便於查字。如果使用單位把集錄上備用的和互相關係的字或詞彙，集中地連串地排列在一起，來改造成一張字表，這是一種先進工作方法，可以提家字速度。

從一九五五年六月份起，上海各打字機廠已統一改用新的基本字表，分字盤字一盤和備用字一二兩盒，共 5000 個字，比過去舊的字表簡化了 1346 個。這一點對備用字可能有些不便，但如參看簡表的文字索引，不難熟悉的。

表格打法 打表格，先劃格，後打字，比較容易有把握。但在劃格時，對格子的大小，應以要打的字數為依據，可隨字打出格外。

複寫打法 打複寫的手法，以字的筆劃和複寫份數的多少分別輕重。但要注意：1.複寫紙要從下面墊到上面墊齊。位置才得上一致。2.打有複寫紙多份時，為了紙邊緣的關係，要防它下面幾張打出的格線。3.打錯修改，只要加紙下邊，重打全部複寫紙後，從後下一張擦起。4.凡文件需複寫份數須複寫二次以上的，不如打一次複寫紙來印，在人力、物力、時間上較為節約。

臘紙打法 打臘紙與普通打法一樣，一般在臘紙下墊張厚紙，打法稍重，使字筆劃打透，印出字跡一定清楚。不過打細點符號等容易洩穿臘紙，勿宜過重。

字句偶或打錯，可用修正液修改重打，或再打一份用乾棉方式以臘紙膠水接補上去。

要印大量文件，估計一張臘紙不能應付時，可用兩張臘紙一次打成，但須用力較重。

臘紙油印方法和一般油印相同，但臘紙品質的優劣有關係於成續，要特別注意。

保養說明

1.保管 保管打字機，最好做到專機專用，由使用者自己保管，比較妥當。沒有相當維修知識和經驗，請勿隨便拆動。祇有先從了解機件結構和參看圖解入手，對保管工作才有幫助。

2.維修 機件方面：經常在外露的滾珠或彈簧部位，用乾布擦拭，電機部份可用油布擦，以免氧化生銹。內部不易擦到部份，用長毛刷清除塵埃。除此，在使用時對於紙屑、雜質、橡皮碎屑等須隨時注意勿落入機件。關於機件和字機方箱間容易積塵的地方，尤須注意清潔。在不使用時，最好加蓋防護。

滾珠方面：滾珠橡膠的性質，在冬季質地較硬，到了夏季則稍軟，但經久自然會老化變硬，並能為熱油汽油等侵蝕。如有積污，祇宜用酒精清洗。

鋼字方面：在使用或打臘紙後，須用硬毛刷擦刷，擦除墨垢。如用乾布水洗滌，最為相宜。

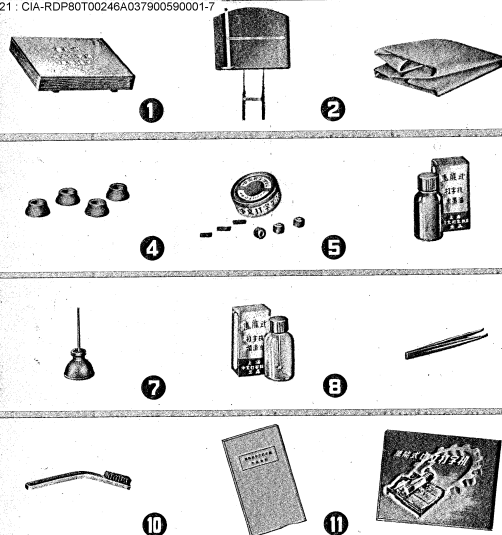
鋼字不宜放於陰暗或日光曬到的地方，更不應置於潮濕的地方。因為這樣做會促使鋼字生銹。

3.注油 注油的目的，在使機件運轉靈活，可免磨損。所以凡機件連接的活點關節和受磨擦的地方都要加油。機中黃銅點，即為需加油的地方。加油的分量過多或少，都不相宜，以滿足潤滑為適度。

打字機潤滑用的機油，須油質純潔而不易揮發，不含雜質及酸性為合用。

附屬品說明

號次	品名	數量	用途說明
1	備用字	2	分第一第二兩盒，各附1716收鋼字。
2	原稿合	1	裝在機架後面，放置稿件。屬大用紙以壓稿，指示字行。
3	裝架	1	保護機件，防止塵埃。
4	後腳	4	調整機件，支撐桌面。
5	墨球墨條	6	備為替換應用。
6	墨油	1	墨球墨條上色之用。
7	油厘	1	盛機油和注油用。
8	機油	1	防止生銹潤滑機件。
9	字盤	1	扣取鋼字用的。
10	毛刷	1	用以掃除墨污，潤滑機件。
11	索引	1	專供查字用的。
12	說明書	1	學習打字參考資料。



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